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JOIN PAKISTAN AIR FORCE AS A COMMISSIONED OFFICER

149 GD (P) COURSE (Eligibility Criteria)

Age	:	16 to 22 years on 20 April, 2020
Nationality	:	Male Citizens of Pakistan
Marital Status	:	Unmarried
Height	:	Minimum 5 Feet 4 Inch / 163 cm
Training Period:		3 Years
Vision	:	6/6 each eye

Education Qualification: A candidate must have passed with minimum 60% marks in aggregate in any of the following:

- F.Sc. (Pre-Eng/Pre-Medical/Computer)
- 'A' level with Physics and Maths or Biology
- F.Sc. with Physics and any two subjects i.e. Maths, Statistics, Computer Science and Biology.

149 GD (P) COURSE (SSC) (Eligibility Criteria)

Age	:	16 to 22 years on 20 April, 2020
Nationality	:	Female Citizens of Pakistan
Marital Status	:	Unmarried
Height	:	Minimum 5 Feet 4 Inch / 163 cm
Training Period:		3 Years
Vision	:	6/6 each eye

Education Qualification: A candidate must have passed with minimum 60% marks in aggregate in any of the following:

- F.Sc (Pre-Engg/Pre-Medical/Computer)
- 'A' level with Physics and Maths or Biology
- F.Sc with Physics and any two subjects i.e. Maths, Statistics, Computer Science and Biology.

SELECTION PROCEDURE

- Online Registration at www.joinpaf.gov.pk
- Intelligence Test followed by Academic Test in the following subjects through e-Testing
- Initial medical examination and interview at I&S centre
- Only short listed candidates would be detailed for ISSB
- Test/Interview by ISSB Kohat/Gujranwala/Malir/Quetta
- Final medical examination at CMB, Lahore
- Flying Aptitude Test (FAT) of GD (P) candidates only
- Interview by AHQ Special Selection Board for CSC Candidates only.
- Final Selection by Air Headquarters in order of merit

General Duties Pilot	Subjects: English & Physics
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Note: Appearing Candidates are also eligible to apply provided they have obtained 65% marks in FSc/'A' Level (Part-I) and bring a certificate from the Principal that they are likely to Pass FSc/ 'A' Level Examination in the prescribed grades (F.Sc Courses only). Candidates with O/A Level background are required to produce equivalence certificates.

FUTURE PROSPECTS

- Highly competitive salary package
- Free medical treatment for self and family
- Training and posting in different cities of Pakistan and abroad
- Free accommodation and 50% waiver in fare by train and air travel
- Internationally recognized course
- Membership of Air Force Officers Housing Scheme (AFOHS)

INELIGIBILITY CONDITIONS

1. A candidate with specific higher qualification, who is rejected once by ISSB for PMA/Graduate course or equivalent Naval/PAF courses and once rejected for specific higher qualification entry, will not be eligible for third chance.
2. Candidates tested within four months (120 days) gap of previous appearance (for Not Recommended candidates).
3. Candidates tested within one year validity period (as validity of ISSB/GHQ/AHQ selection board stands for one years).
4. Candidates declared unfit by any Armed Forces hospital (CMB/CMH) except those declared medically fit by Appeal Medical Board (AMB).

5. The candidates declared unfit by CMB/CMH are to remain ineligible until they are declared fit by Appeal Medical Board (AMB).
6. Candidates permanently declared unfit by Appeal Medical Board.
7. Candidate declared medical unfit due to Hepatitis B and C (AMB cannot be requested).
8. Candidates dismissed/debarred/removed from Government services including Armed Forces.
9. Candidates withdrawn from any bonded Armed Forces Colleges/Institutions on disciplinary grounds.
10. Candidate withdrawn from any Academy/Training Institution of Armed Forces on any ground
11. Candidates convicted in a court of law for an offence involving moral turpitude.
12. Candidates who will temper his/her original academic certificates, conceal or give wrong information to gain undue advantage, his candidature, his candidature will be cancelled and declared permanently ineligible for all types of commission in the Armed Forces.
13. Thrice screened out by Army/Navy/Air Force during preliminary selection stands ineligible.

**FOR DETAILED INFORMATION AND ONLINE
REGISTRATION PLEASE VISIT PAF INDUCTION
WEBSITE www.joinpaf.gov.pk**

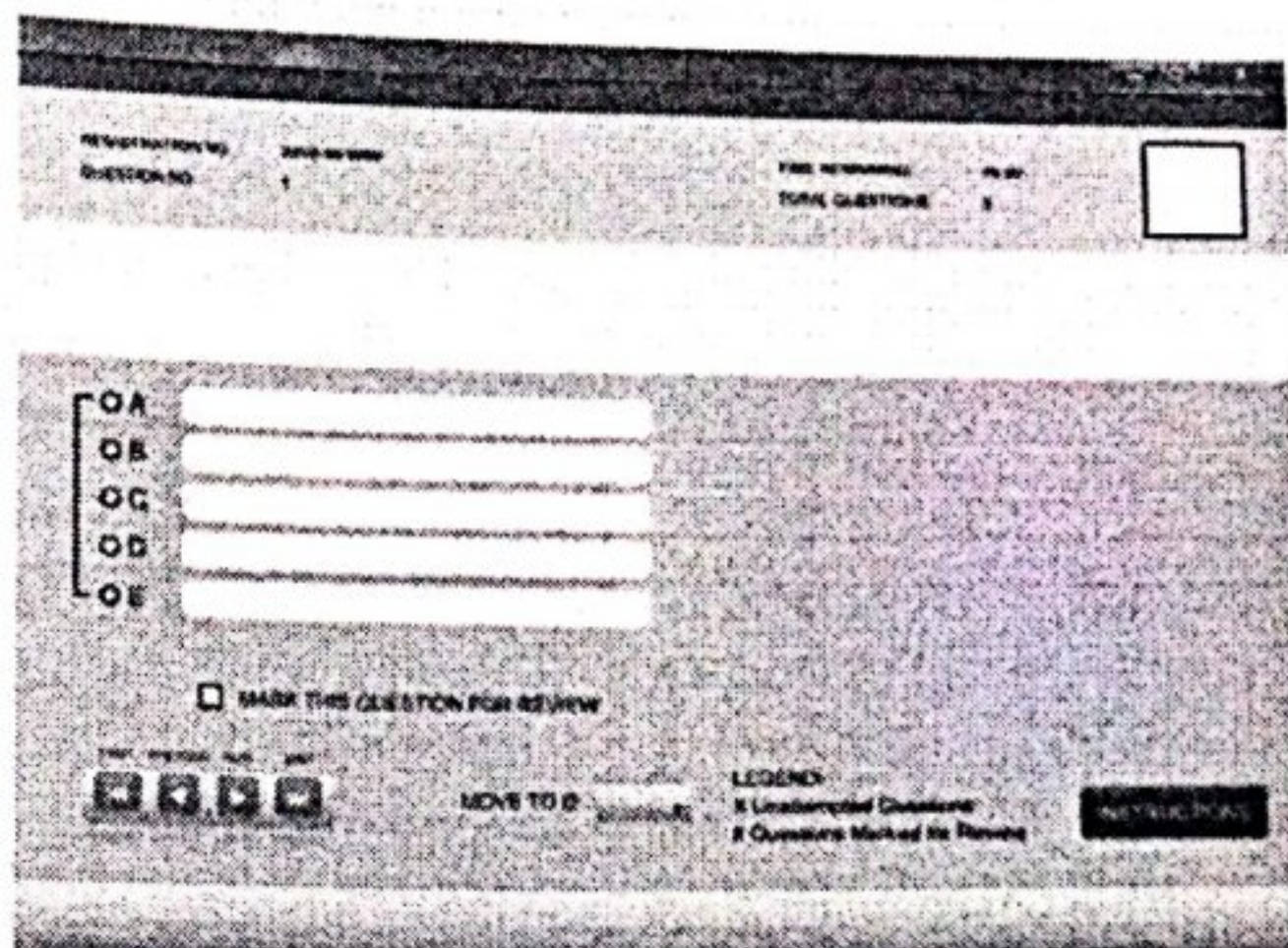
For further details contact any of the following PAF Information & Selection Centres along with all original Educational Certificates and mark sheets, 02 passport size attested photographs, photocopy of Computerized National Identity Card of Father and Self. Old NIC / Form B is not acceptable.

ABBOTTABAD	310-Mansehra Road, Near Ayub Medical Complex	Ph: 0992-385157, 385166
FAISALABAD	Main Jhang Road, Near Airport Chowk	Ph: 041-9201199, 2577799
HYDERABAD	49-Salahuddin Road, Cantt	Ph: 022-920093
KARACHI	Main Sharh-e-Faisal (Near PAF Base) Faisal	Ph: 021-99240999, 34570222
LAHORE	14-Munir Road, (Near PAF Cinema) Munir Chowk	Ph: 042-99220084, 36671041-3
MULTAN	217-Sher Shah Road	Ph: 061-9201183-9201795
D.I. Khan	Fazle Elahi Shaheed Road, Near Bus Stand	Ph: 0966-9280311
PESHAWAR	9-The Mall, Peshawar Cantt	Ph: 091-9210829, 5286329
QUETTA	M.A Jinnah Road	Ph: 081-920175310344-3500989
RAWALPINDI	3-The Mall, Opposite AFIC	Ph: 051-5701143, 5701257-58
SUKKUR	Opposite Govt Islamia College, Minara Road	Ph: 071-9310409
BENAZIRABAD	Information & Selection Centre Shaheed Benazirabad (Nawabshah), Near Shaheen Vocational Training Institute	Ph: 02449370444

ONLINE TEST OR E-TESTING

WHAT IS ONLINE TEST

1. Online or E-testing is introduced for the selection of officers in Defence Forces. Intelligence and Academic Tests are administered through e-testing. Candidates would undergo e-testing according to the modern system of selection. The computer literate candidates would have slight edge over the candidates who do not have any exposure to computer.



PROCEDURE OF E-TESTING

2. When the candidates report to the selection centres for the tests, they will find a computer ready for e-testing. All the instructions will be displayed on the computer screen alongwith some examples. The instructions are as follows:
 - a. It is an easy and short test to find out how quickly and accurately you can answer a series of simple questions in a specified time limit.
 - b. All the questions have four or five options as A, B, C, D & E. You are required to click on the most appropriate answer.
 - c. It is necessary to pass every subject in the Academic Tests.
 - d. You will be given a separate blank sheet for your rough work. You will submit the same at the end of test to the invigilator.
 - e. Method to correct your option:- If you want to correct your answer which you think is the right option, click it which would remove the previous option.
3. After instructions, some examples are displayed on the screen to make you clear about the nature of the tests, so try to understand the examples. After then, actual test would be administered.

INTELLIGENCE TEST

4. This test consists of 100 questions and there will be no negative marking in this test. Your success in this test depends upon the number of questions you attempt correctly.

VERBAL INTELLIGENCE TEST

PRACTICE TEST 1

1. LOVE to LIVE is as DOVE to:

- ✓ A. DIVE B. DAVE
C. DEVE D. DUVE
E. LIFE

Explanation: The answer is "DIVE" because when you substitute an "I" for the "O" in "LOVE," you get "LIVE." Therefore, when you do the same for "DOVE," you get "DIVE."

2. What letter comes next in the following series?

A H N S W ?

- ✓ A. X B. Y
C. Z D. V
E. T

Explanation: The answer is "Z" because the difference between each letter reduces by one, starting at six. For example, there are six letters between "A" and "H," five letters between "H" and "N," four letters between "N" and "S," three letters between "S" and "W," and two letters between "W" and "Z."

3. If Ahsan buys 6 tomatoes for 90 rupees, how much would 5 tomatoes cost?

- A. 80 ✓ B. 75
C. 70 D. 65
E. 60

Explanation: The answer is "75" because each tomato costs 15 rupees.

4. If Ali is brother of Anna's son's Aunt, what is the relationship between Ali and Anna?

- A. Nephew B. Cousin
C. Uncle ✓ D. Brother
E. Nobody

Explanation: The answer is "Brother" because Anna's son's aunt would be the person married to Ali. Therefore, Ali and Anna must be brother and sister.

5. The largest economy in the world is:

- A. United Kingdom

B. Brazil

C. India

D. China

- ✓ E. United States of America

Explanation: The answer is "United States of America" because its economy is larger than any of the other countries listed.

6. Complete the given series:

15 7 30 14 60 28 ? ?

- ✓ A. 120 56 B. 120 35
C. 90 56 D. 90 35
E. 120 40

Explanation: The answer is "120 56" because with each successive series of numbers, you double each number. Therefore, two times "60" is "120," and two times "28" is "56."

7. Heart to human body is as CPU to the:

- A. Processor ✓ B. Computer
C. RAM D. Motherboard
E. Hard Drive

Explanation: The answer is "Computer" because the "human body" requires a "heart" to keep it alive/make it run, and a "computer" requires a "CPU" to make it run. In other words, the "CPU" is the "heart" of the computer.

8. Iram is twice as old as Meena. The sum of their age is 5 times Meena's age less than 48. How old are Iram and Meena?

- A. Iram is 24, Meena is 12
B. Iram is 30, Meena is 15
C. Iram is 50, Meena is 25
D. Iram is 48, Meena is 24
E. Iram is 20, Meena is 10

Explanation: The answer is "Iram is 48, Meena is 24" because when you multiply Meena's age by 5, you get 120, and then when you subtract 48 from 120, you get 72. When you add Iram's age of "48" and Meena's age of "24" you get 72.

9. What will come next?

9 8 10 9 11 10 12 11 ?

- A. 12 B. 11
C. 10 D. 9
✓ E. 13

Explanation: The answer is "13" because starting with the first "9" you add one number to get the third number, then one more for the fifth, one more for the seventh, and then one more for the hidden number.. That's why the pattern is 9, 10, 11, 12, and the correct answer of "13."

10. Friend is to enemy as love is to:

- A. Friendship B. Jealousy
C. Mistrust ✓ D. Hatred
E. Cringe

Explanation: The answer is "Hatred" because "enemy" is the opposite of "friend" and "hatred" is the opposite of "love."

11. Cell is to torch as petrol is to:

- A. Gas Station ✓ B. Vehicle
C. Country D. Economy
E. Government

Explanation: The answer is "Vehicle" because a "cell" fuels a "torch" just like "petrol" fuels a "vehicle."

12. What will come next?

4 7 13 22 34 ?

- A. 64 B. 44
C. 42 ✓ D. 49
E. 48

Explanation: The answer is "49" because you add ascending multiples of three to each previous number. That's why $4 + 3$ is 7, $7 + 6$ is 13, and so on. Therefore, $34 + 15$ is 49.

13. Alex is younger than Caleb. Clay is older than Caleb. Caleb is younger than Bryan and Bryce. Who is the youngest?

- ✓ A. Alex B. Bryce
C. Bryan D. Caleb
E. Clay

Explanation: The answer is "Alex" because everyone else is older than "Caleb" except for "Alex."

14. Tree is to leaf as flower is to:

- A. Bush ✓ B. Petal
C. Plant D. Tree
E. Garden

Explanation: The answer is "Petal" because a "leaf" grows on a "tree" like a "petal" grows on a "flower."

15. What will come next?

100 110 130 140 170 180 220 230 ?

- A. 250 B. 260
C. 270 ✓ D. 280
E. 290

Explanation: The answer is "280" because the pattern is to add 10, then 20, then 10, then 30, then 10, then 40, then 10, then 50.

16. What will come next?

3 13 20 30 37 47 ?

- A. 55
✓ B. 54 (Note: I changed this answer from "55" to "54" as I believe that is actually correct)
C. 53
D. 52
E. 51

Explanation: The answer is "54" because the pattern is to add 10, then 7 and repeat.

17. Find the odd one.

- A. Football B. Hockey
C. Cricket ✓ D. Ludo
E. Rugby

Explanation: The answer is "Ludo" since it is the only board game in the list. Football, Hockey, Cricket and Rugby are played on the field.

18. What will come next?

43 38 33 35 30 25 27 22 17 ?

- A. 20 ✓ B. 19
C. 18 D. 16
E. 23

Explanation: The answer is "19" because the pattern is to subtract five, then five, then two, and then repeat that same pattern.

19. Dog is to puppy as cat is to:

- ✓ A. Kitten B. Pup
C. Cubs D. Skulk

E. Vixen

Explanation: The answer is "kitten" because a "puppy" is a young "dog" like a "kitten" is a young "cat."

20. Bees are to hive as bears are to:

- A. House B. Nest
☒ C. Den D. Dwelling
 E. Place

Explanation: The answer is "den" because "bees" live in a "hive" just like "bears" live in a "den."

21. The branch of science that deals with celestial objects, space and universe is called:

- A. Physiology ☒ B. Astronomy
 C. Biology D. Psychology
 E. Aeronautical science

Explanation: The answer is "astronomy" because none of the other options deals with celestial objects, space, and the universe.

22. What will come next?

1 7 14 22 31 ?

- A. 39 B. 40
☒ C. 41 D. 42
 E. 43

Explanation: The answer is "41" because the pattern is to add 6, then 7, then 8, then 9, and finally 10 to get "41."

23. Glasses are to eyes as ring is to:

- a. Hand B. Jeweler shop
 C. Wife ☒ D. Finger
 E. Eyes

Explanation: The answer is "finger" because "glasses" cover your "eyes" like "rings" cover your "finger."

24. Like is to love as dislike is to:

- a. Disgust B. Agony
 C. Pain ☒ D. Hate
 E. Odium

Explanation: The answer is "hate" because "love" is a stronger emotion than "like" just as "hate" is a stronger emotion than "dislike."

25. What will come next?

3 5 10 12 24 ?

- A. 25 B. 26

C. 49

D. 46

E. 40

Explanation: The answer is "26" because the pattern is to add 7 to the first two numbers, $3 + 7$ is 10 and $5 + 7$ is 12, and then add 14 to the next two numbers, so $10 + 14$ is 24, and $12 + 14$ is the correct answer of "26."

26. What number comes next in the following series?

21 28 35 42 ?

- A. 50 ☒ B. 49
 C. 48 D. 47
 E. 51

Explanation: The answer is "49" because the pattern is to add 7 to each previous number.

27. What number comes next in the following series?

325 415 495 565 625 ?

- A. 695 B. 685
☒ C. 675 D. 665
 E. 655

Explanation: The answer is "675" because the pattern is you add 90 to the first number, 80 to the second number, 70 to the third number and so on until you add 50 to the last number, "625" to get the answer of "675."

28. Hannah is smarter than Ben. Ben is as smart as Clay. Hannah is the smartest in the whole class. Assuming the first two statements as true, is the third statement also true?

- a. True B. False
☒ C. Uncertain D. All of the above
 E. None of the above

Explanation: The answer is "uncertain" because we don't know how smart the other people in the class are. Some may be smarter than "Hannah."

29. Miser is the opposite of:

- A. Stingy B. Spendthrift
 C. Wastrel D. Tight fisted
☒ E. Generous

Explanation: The answer is "generous" because the other answers mean the similar thing as "miser." However,

"generous" means the opposite, since it means the person gives money away instead of keeping it for himself.

30. Person A eats more than Person B. Person C eats less than Person B. On the basis of these two statements, can it be assumed that Person C and Person A eat equally?

✓ a. No B. Yes
C. Uncertain D. None of the above
E. All of the above

Explanation: The answer is "no" because we already know that "Person A" eats more than "Person B," and since "Person C" eats less than "Person B," we know that "Person A" eats the most.

31. What will come next?

5 10 17 26 37 ?

A. 46 B. 47
C. 48 D. 49
✓ E. 50

Explanation: The answer is "50" because the pattern is to add 5, then 7, then 9, then 11, and finally 13 to "37" to get the correct answer of "50."

32. What figure will come next in the following series?

2 10 8 16 14 22 ?

A. 18 B. 16
C. 24 ✓ D. 20
E. 30

Explanation: The answer is "20" because the pattern that repeats is to add 8, then subtract 2.

33. What will come next in the following series?

27 81 243 729 ?

A. 2240 B. 2187
C. 1800 D. 4290
E. 1250

Explanation: The answer is "2187" because the pattern is increasing multiples of 3. It starts with 27×3 , which is 81, then 81×3 , which is 243, then 243×3 , which is 729, and finally 729×3 , which is 2187. That's why 2187 is the answer.

34. What will come next?

1 5 6 10 12 16 19 23 ?

a. 24 B. 25
C. 26 D. 28
✓ E. 27

Explanation: The answer is "27" because the pattern is to add 4, then 1, then 4, then 2, then 4, then 3, then 4, and then 4.

35. What will come next?

21 30 38 45 51 ?

A. 55 ✓ B. 56
C. 57 D. 58
E. 59

Explanation: The answer is "56" because the pattern is to add 9, then 8, then 7, then 6, and then 5.

36. Bend is to lend as night is to:

A. Fret B. Flat
✓ C. Might D. Beat
E. Kit

Explanation: The answer is "might" because "bend" and "lend" rhyme just like "night" and "might" rhyme.

37. Random is the meaning of:

A. Often ✓ B. Arbitrary
C. Illogical D. Conscious
E. Remote

Explanation: The answer is "arbitrary" because none of the other answers mean the same thing as "random."

38. Love is to affection as woman is to:

A. Girl B. Babies
✓ C. Lady D. Teenager
E. Man

Explanation: The answer is "a lady" because "love" and "affection" are similar words that mean the same thing, just like "woman" and "Lady" mean the same thing.

39. What letter will come next?

A C F J O ?

a. R B. S
✓ c. U D. V
E. W

Explanation: The answer is "U" because the pattern shows that you add 1, then 2, then 3, then 4, and finally 5 to the previous letter.

40. Complete the series:

9 20 42 86 ?

- a. 188 B. 100
C. 189 D. 177
☒ E. 174

Explanation: The answer is "174" because you always double the previous number and add 2.

41. Complete the series:

20 40 80 160 ?

- A. 200 ☒ B. 320
C. 360 D. 480
E. 500

Explanation: The answer is "320" because you always double the previous number.

42. What will come next?

2 3 4.5 6.75 ?

- A. 10 B. 9
☒ C. 10.125 D. 10.75
E. 11

Explanation: The answer is "10.125" because the pattern shows that you half the number and then add that to the same number to get the next number. Therefore, half of "6.75" is "3.375," and when you add that to "6.75" you get "10.125."

43. What will come next?

10 15 8 13 6 11 ?

- ☒ A. 4 B. 3
C. 2 D. 1
E. 7

Explanation: The answer is "4" because you subtract 2 from every other number. Therefore, 6 - 2 is 4.

44. What will come next?

62 42 21 -1 -24 -48 ?

- A. -70 B. -71
C. -72 D. -73
E. -74

Explanation: The answer is "-73" because the pattern shows that you subtract 20, then 21, then 22, then 23, and finally 24 from the previous number.

45. Pick the odd one out:

- A. Iron B. Steel

- C. Platinum ☒ D. Cotton
E. Gold

Explanation: The answer is "cotton" because the other answers are all hard metals, and cotton is soft.

46. Pick the odd one out:

- A. Deer B. Lion
☒ C. Vulture D. Bear
E. Leopard

Explanation: The answer is "vulture" because the other animals all have four legs and can't fly.

47. If a kilo of grapes is sold at the price of 30 rupees, how much would 100 grams of grapes cost?

- A. 10 rupees B. 2 rupees
☒ C. 3 rupees D. 1 rupee
E. 15 rupees

Explanation: The answer is "3 rupees" because you need to divide both the kilo of grapes and the 30 rupees by 1000 to convert them into grams. Therefore, 30 / 1000 is 0.03, and when you multiply that by "100 grams" you get 3, meaning it costs "3 rupees."

48. Which amount is the smallest?

- ☒ A. .017 B. .018
C. .9 D. 12
E. 1.4

Explanation: The answer is ".017" because all of the other numbers are larger. The next closest number is ".018," but it is .001 more.

49. The opposite of pain is:

- A. Ache ☒ B. Comfort
C. Suffering D. Good life
E. Health

Explanation: The answer is "comfort" because none of the others mean the opposite of "pain" as closely as "comfort."

50. If Ahmer is heavier than Ahsan, and Ahsan is lighter in weight than Shams, could it be assumed from these two statements that Shams is heavier than Ahmer?

- A. No B. Yes
☒ C. Uncertain

D. None of the above

E. All of the above

Explanation: The answer is "uncertain" because we don't know how heavy "Shams" is compared to "Ahmer."

51. On Valentine's Day, the price of a bouquet of flowers containing 12 roses increased from 500 to 1000 rupees. What was the price of a single rose on the Valentine's Day?

✓ A. 83.33 rupees B. 41.6 rupees
C. 50.9 rupees D. 100 rupees
E. 50 rupees

Explanation: The answer is "83.33 rupees" because dividing 1000 by 12 (the total cost by the total number of roses), you get "83.33," which represents the cost per rose.

52. Pick the odd one out:

A. VXZ B. ACE
C. GIK ✓ D. LOP
E. QSU

Explanation: The answer is "LOP" because all of the other answers have only one letter between each of the letters in the group.

53. Arrange the following words into a complete sentence using each word only once, and then write the last letter of the last word as your answer:

1. Moon 6. The
2. Shoot 7. Among
3. Stars 8. And
4. For 9. You
5. Land 10. Will

a. M B. L
✓ c. S D. F
E. A

Explanation: The answer is "S" because the correct complete sentence is: Shoot for the moon, and you will land among stars

54. A professional who operates on people is called:

A. Psychologist B. Dietitian
C. Nurse ✓ D. Surgeon
E. Respiratory therapist

Explanation: The answer is "surgeon" because none of the other people perform operations on patients.

55. Deer is an animal as gold is a:

✓ A. Metal B. Iron
C. Thing D. Jewel
E. Ornament

Explanation: The answer is "metal" because "deer" is a type of "animal" just as "gold" is a type of "metal."

56. Pick the odd one out:

A. Table B. Chair
C. Bed ✓ D. Comb
E. Dressing Table

Explanation: The answer is "comb" because the other answers are kinds of furniture.

57. What is the square root of 25?

A. 3 B. 2
C. 7 D. 9
✓ E. 5

Explanation: The answer is "5" because 5×5 is 25.

58. The meaning of zeal is:

✓ A. Passion B. Truth
C. Ability D. Mentality
E. Life

Explanation: The answer is "passion" since the other answers do not mean the same thing as "zeal."

59. Pick the odd one out:

✓ A. Shirt B. Ring
C. Hair dye D. Trouser
E. Shoes

Explanation: The answer is "hair dye" because the other answers are kinds of clothes.

60. The most important reason that we plant trees is because:

A. We want to provide nests to the birds
B. We like to see the color green
✓ C. It is good for the environment
D. They produce carbon dioxide at night
E. We like plantation

Explanation: The answer is "It is good for the environment" because that is the most important reason of all of the answers.

61. There are three tea sets and one dinner set on the table. Each tea set includes 6 cups and one flask. The dinner set has 12 plates, 2 pots and 6 spoons. How many things are present on the table?

A. 42 ☒ B. 41
C. 36 D. 50
E. 38

Explanation: The answer is "41" because each of the three tea sets includes seven pieces for a total of 21, and the one dinner set includes 20 pieces. Therefore, $21 + 20$ is "41" things on the table.

62. $(a+b)^2 = ?$

A. $a^2 - 2ab + b^2$ ☒ B. $a^2 + b^2 + 2ab$
C. $a^2 + b^2$ D. $(a+b)(a-b)$
E. $a^2 - b^2$

Explanation: The answer is " $a^2 + b^2 + 2ab$ " because the equation breaks down to $(a+b) \times (a+b)$ and then $a(a+b) + b(a+b)$, which gives you $a^2 + ab + b^2 + ab$. Therefore, when you add it all up, you get " $a^2 + b^2 + 2ab$."

63. If all boys in the team are called Wolves, what would a new boy Ahsan be called?

A. Not a wolf ☒ B. Wolf
C. Ox D. Uncertain
E. None of the above

Explanation: The answer is "wolf" because "Ahsan" is a boy, and all the boys are called "wolf."

64. Pick the odd one:

A. Strawberry juice B. Milk
C. Soda ☒ D. Chocolate
Brownie
E. Chocolate shake

Explanation: The answer is "chocolate brownie" because the other answers are all drinks, and a brownie is something you eat.

65. Pick the odd one out:

A. Silver B. Brass
C. Gold ☒ D. Ivory
E. Platinum

Explanation: The answer is "ivory" because the other answers are all metals.

66. Pick the odd one out:

A. Hut B. Cottage
C. Mansion D. House
☒ E. Dining room

Explanation: The answer is "dining room" because all of the other answers are places you can live, and "dining room" is just one room inside a place to live.

67. Pick the odd one out:

A. Blow B. Sew
☒ C. How D. Row
E. Crow

Explanation: The answer is "how" because it does not rhyme with the other answers.

68. If the basket of mangoes is heavier than the basket of bananas, does that mean there are more mangoes in the mango basket?

A. No B. Yes
☒ C. Uncertain D. None of the above
E. All of the above

Explanation: The answer is "uncertain" because we do not know how much each mango and each banana weigh.

69. Pick the odd one out:

☒ A. Sun B. Saturn
C. Earth D. Venus
E. Uranus

Explanation: The answer is "sun" because each of the other answers is a planet while the "sun" is a star.

70. The time that earth takes to rotate around its own axis is:

a. 23 hours B. 22 hours
C. 21 hours ☒ D. 24 hours
E. 25 hours

Explanation: The answer is "24 hours" because that's how many hours are in one day, which is determined by the earth rotating around its axis one time.

71. The most spoken language in the world is:

- a. Urdu ☒ B. English
C. Chinese D. French
E. Japanese

Explanation: The answer is "English" because more people speak it than any other language in the world.

72. Who was the first governor general of Pakistan?

- A. Allama Iqbal
B. Liaquat Ali Khan
C. Benazir Bhutto
☒ D. Muhammad Ali Jinnah
E. Asif Ali Zardari

Explanation: The answer is "Muhammad Ali Jinnah" because none of the other people were the first governor general of Pakistan.

73. Psychology is:

- ☒ A. Scientific study of the human mind
B. Scientific study of the human body
C. Scientific study of the human life
D. Scientific study of a society
E. Scientific study of the environment

Explanation: The answer is "scientific study of human mind" because that is the definition of "psychology."

74. The opposite of accidental is:

- A. By chance B. By luck
C. Destructive ☒ D. Intentional
E. Affectionately

Explanation: The answer is "intentional" because it means on purpose, which is the opposite of accidental.

75. The opposite of below is:

- A. Behind B. Beyond
☒ C. Above D. Next
E. Upwards

Explanation: The answer is "above" because "below" means down, and "above" means up, which are opposites.

76. Angel to devil is as arrival to:

- A. Journey ☒ B. Departure
C. Going D. Influx
E. Entrance

Explanation: The answer is "departure" because "angel" and "devil" are opposites just like "arrival" and "departure" are opposites.

77. If Akbar sold 10 fruits for 120 paises. What would be the cost of 4.5 dozen fruits?

- A. 5 rupees, 40 paises
B. 4 rupees
C. 380 paises
☒ D. 6 rupees, 48 paises
E. 660 paises

Explanation: The answer is "6 rupees, 48 paises" because each fruit costs 12 paises (120 / 10), and 4.5 dozen fruits is 4.5×12 , which is 54. Therefore, 54 fruits \times 12 paises is "6 rupees, 48 paises."

78. What will come next?
54 36 18 ?

- ☒ A. 0 B. 12
C. 15 D. 18
E. -18

Explanation: The answer is "0" because the pattern is that you subtract 18 from the previous number.

79. What will come next in the given series?

P Q L M H I D ?

- A. F B. G
C. K ☒ D. E
E. C

Explanation: The answer is "E" because the second letter is one more than the first, the fourth is one more than the third, the sixth is one more than the fifth, and finally, the mystery letter is one more than the seventh, and "E" follows "D."

80. What will come next?
1 3 6 10 15 ?

- A. 19 ☒ B. 21
C. 22 D. 20
E. 18

Explanation: The answer is "21" because you add 2 to the first number, 3 to the second number, 4 to the third number, 5 to the fourth number, and

finally 6 to the fifth number. Therefore, $15 + 6$ is 21.

81. Complete the series:

8 13 19 26 34 ?

- A. 38 B. 42
☒ C. 43 D. 45
 E. 47

Explanation: The answer is "43" because you add 5 to the first number, 6 to the second number, 7 to the third number, 8 to the fourth number, and finally 9 to the fifth number. Therefore, $34 + 9$ is 43.

82. Pick the odd one out:

- A. 862 B. 8
 C. 24 ☒ D. 39
 E. 44

Explanation: The answer is "39", because the other numbers are all even numbers, and "39" is the only odd number.

83. What will come next in the series?

X V S O ?

- A. K ☒ B. J
 C. L D. M
 E. P

Explanation: The answer is "J" because there is 1 letter between "X" and "V," 2 letters between "V" and "S," 3 letters between "S" and "O," and finally "4" letters between "O" and "J."

84. What will come next?

24 30 38 48 ?

- ☒ A. 60 B. 58
 C. 55 D. 50
 E. 53

Explanation: The answer is "60" because you add 6 to the first number, 8 to the second number, 10 to the third number, and finally 12 to the last number.

85. Some boys in a class are British.

All girls are American.

If an X student is in the class, he surely is American.

- A. Yes B. No
☒ C. Uncertain
 D. All of the above

E. None of the above

Explanation: The answer is "uncertain" because we don't know if the "X student" is a boy or a girl.

86. What will come next?

4 9 16 25 ?

- A. 29 B. 30
 C. 64 ☒ D. 36
 E. 100

Explanation: The answer is "36" because you add 5 to the first number, 7 to the second number, 9 to the third number, and finally 11 to the last number.

87. White is to black as up is to:

- A. Below B. Behind
☒ C. Down D. Towards
 E. Before

Explanation: The answer is "down" because "white" and "black" are opposites just like "up" and "down."

88. Where is Eiffel Tower located?

- ☒ A. France B. Brazil
 C. United States of America
 D. United Kingdom
 E. Peru

Explanation: The answer is "France" because the Eiffel Tower is located in Paris, which is in France.

89. What will come next?

7 16 34 61 97 ?

- A. 110 B. 139
 C. 148 D. 157
☒ E. 142

Explanation: The answer is "142" because you add multiples of 9 to each number. Thus, $7 + 9$ is 16, $16 + 18$ is 34, $34 + 27$ is 61, $61 + 36$ is 97, and finally $97 + 45$ is 142.

90. What will come next?

200 100 33.33 8.33 ?

- A. 2.29 ☒ B. 1.66
 C. 1.89 D. 3.89
 E. 2.33

Explanation: The answer is "1.66" because you divide the first number by 2, the second number by 3, the third

number by 4, and finally the fourth number by 5. Therefore, $8.33 / 5$ is 1.66.

91. Chef is to food as sculptor is to:

- A. Statue
- B. Painting
- C. Drawing
- D. Art
- ☒ E. Stone

Explanation: The answer is "stone" because a "chef" works with "food" just as a "sculptor" works with "stone."

92. What will come next?

92 184 368 736 ?

- ☒ A. 1472
- B. 1500
- C. 1486
- D. 1490
- E. 1300

Explanation: The answer is "1472" because the pattern shows that you double the previous number. Therefore, 736×2 is 1472.

93. Pick the odd one out:

- A. XYZ
- B. ABC
- C. GHI
- ☒ D. JKM

E. NOP

Explanation: The answer is "JKM" because the other answers show three letters in a row, but "JKM" are not in a row.

94. The opposite of significance is:

- A. Impact
- B. Ethics
- ☒ C. Lowliness
- D. Drift
- E. Tenor

Explanation: The answer is "lowliness" because it means the total opposite of "significance" unlike all of the other answers.

95. Find the area of a rectangle with a width of 8 ft and length of 20 ft.

- ☒ a. 160 ft square
- B. 250 ft square
- C. 2560 ft square
- D. 180 ft square
- E. 120 ft square

Explanation: The answer is "160 ft square" because 8×20 is 160, and you always multiply width by length to find the area of a rectangle.

Practice Test 2

1. What will come next?

3 7 9 13 15 19 21 ?

- A. 23 ☒ B. 25
C. 27 D. 22
E. 24

Explanation: The answer is "25" because the pattern is to add 4 to the first number, then 2 to the second number, and repeat.

2. Yellow is to colour as rose is to:

- A. Red ☒ B. Flower
C. Plants D. Trees
E. Orchids

Explanation: The answer is "flower" because "yellow" is a "colour" just as "rose" is a "flower."

3. Who is the present President of the USA?

- A. Barack Obama
B. Mike Pence
C. Hillary Clinton
☒ D. Donald Trump
E. George W Bush

Explanation: The answer is "Donald Trump" because he was elected president starting in 2017.

4. Elsa has 10 guitars. Each guitar has 5 strings. How many strings does Elsa have in total?

- A. 5 B. 10
☒ C. 50 D. 25
E. None

Explanation: The answer is "50" because 10×5 is 50.

5. The meaning of awful is:

- A. Beautiful B. Awesome

- ☒ C. Unpleasant D. Base
E. High ranked

Explanation: The answer is "unpleasant" because it is another word for "awful" and none of the other answers match it as well.

6. If the square root of 36 is 6, mark A; otherwise B.

- ☒ A. A B. B
C. C D. D
E. E

Explanation: The answer is "A" since 6×6 is 36.

7. If Ali is younger than Zarah, but Zarah is older than Safina, could it be assumed that Zarah is older than both Ali and Safina?

- ☒ A. Yes B. No
C. Uncertain D. All of the above
E. None of the above

Explanation: The answer is "yes" because we know that "Zarah" is the oldest.

8. Which one of the following is different from the rest?

- A. Pain B. Agony
C. Torment ☒ D. Backstabbing
E. Hurt

Explanation: The answer is "backstabbing" because the other answers are descriptions of being hurt while "backstabbing" is an action.

9. A father always has:

- A. Brothers B. Daughters
C. Sons ☒ D. Children

E. Friends

Explanation: The answer is "children" because a man must have children to become a father.

10. Complete the series.

27 9 21 7 24 8 15 5 18 ?

- A. 2 B. 3
C. 4 D. 5
☒ E. 6

Explanation: The answer is "6" because the pattern shows that you divide the larger number by 3. Therefore, $18 / 3$ is 6.

11. Book is to reading as kitchen is to:

- A. Playing B. Cutting
C. Painting ☒ D. Cooking
E. Furnishing

Explanation: The answer is "cooking" because you're "reading" a "book" and "cooking" in the "kitchen."

12. The opposite of crooked is:

- A. Bad B. Twisted
C. Curved D. Zigzag
☒ E. Even

Explanation: The answer is "even" because it means the opposite of "crooked," and most of the other answers are similar to "crooked."

13. If $12/2$ is less than $3/5$ mark A, otherwise mark B.

- A. A ☒ B. B
C. C D. D
E. E

Explanation: The answer is "B" because $12/2$ is more than $3/5$.

14. What is the area of a square that has length of one side as 10?

- A. 20 ☒ B. 100
C. 10 D. 40

E. 55

Explanation: The answer is "100" because you multiply two sides to find the area of a square, and since all sides are the same length, it's just 10×10 , which is 100.

15. A person who installs and maintains electrical equipment is called:

- A. Electrical engineer ☒ B. Electrician
C. Mechanic
D. Mechanical engineer
E. None of the above

Explanation: The answer is "electrician" because the other professions do not install and maintain electrical equipment.

16. Complete the series.

100 95 85 70 ?

- ☒ A. 50 B. 55
C. 60 D. 65
E. 45

Explanation: The answer is "50" because you subtract 5 from the first number, 10 from the second number, 15 from the third number, and finally 20 from the fourth number.

17. If radius of a circle is 2m, what is its area?

- A. 4 m^2 approx
B. 15 m^2 approx
C. 10 m^2 approx
☒ D. 13 m^2 approx
E. 11 m^2 approx

Explanation: The answer is " 13 m^2 approx" because to find the radius of a circle, you multiply π (3.14) by the radius squared. Therefore, 3.14×4 is 12.56, which rounds up to 13 m^2 .

18. Muslims go to mosque to:

- A. Stay away from home

- B. Spend time with friends
- C. Meet new people
- ☒ D. Fulfill religious obligation
- E. Practice resilience

Explanation: The answer is "fulfill religious obligation" since that is the reason Muslims go to mosques.

19. Which one of the following is different from the rest?

- A. Bickering
- ☒ B. War
- C. Quarrelling
- D. Fighting
- E. Disputing

Explanation: The answer is "war" because the other answers mean disagreeing, but war is a stronger version of the rest.

20. Music is to a composer as lyrics are to a:

- A. Musician
- B. Pianist
- C. Artist
- D. Singer
- ☒ E. Lyricist

Explanation: The answer is "lyricist" because "music" is created by a "composer" like "lyrics" are created by a "lyricist."

21. What will come next?

7 10 5 8 3 ?

- A. 7
- B. 8
- C. 9
- ☒ D. 6
- E. 2

Explanation: The answer is "6" because you subtract 2 from every other number. Therefore, the pattern shows 10, 8, and then 6.

22. If 2 is less than 1 mark A, otherwise B.

- A. A
- ☒ B. B
- C. C
- D. D
- E. E

Explanation: The answer is "B" because 2 is more than 1.

23. The pen is mightier than the:

- A. Pencil
- B. Words
- C. Man
- ☒ D. Sword
- E. Gun

Explanation: The answer is "sword" because the well-known expression says: The pen is mightier than the sword.

24. If $p=qw^3$ and $w=3$ and $q=5$, what is the value of P?

- A. 375
- B. 325
- C. 280
- D. 275
- ☒ E. 135

Explanation: The answer is "135" because $p = 5 \times 27$, which is 135.

25. What will come next?

53 53 40 40 27 27 ?

- ☒ A. 14
- B. 12
- C. 33
- D. 40
- E. 27

Explanation: The answer is "14" because the pattern shows that you subtract 13 from each previous number. Therefore, the pattern is 53, 40, 27, 14.

26. Son is to a father as art to :

- ☒ A. Artist
- B. Drama writer
- C. Lover
- D. Picture
- E. Art lover

Explanation: The answer is "artist" because a "father" makes a "son" like an "artist" makes "art."

27. There are 60 students in Whitehall football club. During elections, 60% voted for Brooke Edwards. How many students voted for Brooke Edwards?

- A. 20
- B. 32
- C. 34
- D. 38
- ☒ E. 36

Explanation: The answer is "36" because $60 \times .6$ is "36."

28. Which one of the following is different from the rest?

- A. Prime Minister and Cabinet
- B. Engineer and assistants
- C. Singer and crew
- ☒ D. Lawyer and clients
- E. Party head and other party members

Explanation: The answer is "lawyer and clients" because the other answers show a leader and the people he leads. "Clients" employ a "lawyer" but are not necessarily led by the "lawyer."

29. The opposite of gross is:

- A. Crude
- B. Vulgar
- C. Glad
- ☒ D. Sophisticated
- E. Cheerful

Explanation: The answer is "sophisticated" because it is the closest answer to being the opposite of "gross."

30. Women wear jewellery to:

- ☒ A. Look pretty
- B. Attract men
- C. Show off their possessions
- D. Use money
- E. Get uncomfortable

Explanation: The answer is "look pretty" since most women choose to wear "jewellery" to improve their look more so than the other answers.

31. A bird was sitting 3 m away from the base of the pole. It flew 4 m to reach at the top of the tower. What is the height of the tower?

- A. 3
- B. 4
- ☒ C. 5
- D. 6
- E. 7

Explanation: The answer is "5" because using the Pythagorean theorem, we

know that $a^2 + b^2 = c^2$. Therefore, $9 + 16 = 25$, and the square root of 25 is "5."

32. Animal is to air as fish is to:

- A. Sea
- B. Land
- C. Each other
- ☒ D. Water
- E. Creatures

Explanation: The answer is "water" because an animal breathes "air" like a "fish" breathes "water."

33. What will come next?

54 9 54 12 54 15 54 ?

- A. 15
- B. 17
- ☒ C. 18
- D. 21
- E. 19

Explanation: The answer is "18" because you add three to each number starting with the second. Therefore, the pattern is 9, 12, 15, 18.

34. What will come next?

77 88 99 110 121 ?

- A. 128
- B. 131
- C. 138
- ☒ D. 132
- E. 133

Explanation: The answer is "132" because the pattern shows that you add 11 to the previous number.

35. What will come next?

100 120 140 160 ?

- ☒ A. 180
- B. 170
- C. 190
- D. 200
- E. 220

Explanation: The answer is "180" because the pattern shows that you add 20 to the previous number.

36. Maya practices for 90 minutes in each piano session. How many sessions would it take Maya to play for 8 hours?

- ☒ A. 6
- B. 10
- C. 11
- D. 12

E. 13

Explanation: The answer is "6" because each lesson is 1.5 hours, so 5 sessions would be 7.5 hours and therefore, it must be 6 sessions.

37. London is the capital of:

- ✓ A. UK B. USA
C. France D. Italy
E. Europe

Explanation: The answer is "UK" because that's where "London" is the capital city.

38. Stars are to night as sun is to:

- A. Morning ✓ B. Day
C. Evening D. Daylight
E. Sunlight

Explanation: The answer is "day" because "stars" come out at "night" like the "sun" comes out during the "day."

39. Which one of the following is different from the rest?

- ✓ A. Friends
B. International relations
C. Relatives
D. Parents
E. Children

Explanation: The answer is "international relations" because the other answers are all family members.

40. Mina needs to carry 10 litres of water to a place. She goes to a store to buy buckets. There were two kinds of buckets available in the store: White ones that could contain 3.5 litres of water and black ones that could contain $\frac{1}{2}$ litres. How many would Mina buy to meet her need?

- ✓ A. 2 white and 6 black buckets
B. 1 white and 11 black buckets
C. 20 black buckets

D. 3 white buckets and one black bucket

E. 2 white buckets and 3 black buckets

Explanation: The answer is "2 white and 6 black buckets" because 2 white buckets hold 7 litres, and 6 black buckets hold another 3 litres for 10 litres total.

41. What will come next?

5 9 10 18 15 ?

- A. 22 B. 23
C. 24 D. 26
✓ E. 27

Explanation: The answer is "27" because you add 9 to the second set of numbers. Therefore, the pattern is 9, 18, and 27.

42. What will come next?

96 88 80 72 ?

- A. 60 B. 68
C. 62 ✓ D. 64
E. 58

Explanation: The answer is "64" because the pattern shows that you subtract 8 from the previous number.

43. The meaning of mischievous is:

- ✓ A. Harmful B. Gleeful
C. Jovial D. Juvenile
E. Cheerful

Explanation: The answer is "harmful" because it most closely means "mischievous."

44. If it takes a plane 5 hours to fly from a country to another covering the distance of 3060 miles, what is the speed at which it moves?

- ✓ A. 612 miles/hour
B. 345 miles/hours
C. 888 miles/hour

E. 13

Explanation: The answer is "6" because each lesson is 1.5 hours, so 5 sessions would be 7.5 hours and therefore, it must be 6 sessions.

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B. 1 white and 11 black buckets
C. 20 black buckets

D. 3 white buckets and one black bucket

E. 2 white buckets and 3 black buckets

Explanation: The answer is "2 white and 6 black buckets" because 2 white buckets hold 7 litres, and 6 black buckets hold another 3 litres for 10 litres total.

41. What will come next?

5 9 10 18 15 ?

- A. 22 B. 23
C. 24 D. 26
✓ E. 27

Explanation: The answer is "27" because you add 9 to the second set of numbers. Therefore, the pattern is 9, 18, and 27.

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96 88 80 72 ?

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C. 62 ✓ D. 64
E. 58

Explanation: The answer is "64" because the pattern shows that you subtract 8 from the previous number.

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Explanation: The answer is "harmful" because it most closely means "mischievous."

44. If it takes a plane 5 hours to fly from a country to another covering the distance of 3060 miles, what is the speed at which it moves?

- ✓ A. 612 miles/hour
B. 345 miles/hours
C. 888 miles/hour

D. 270 miles/hours

E. 360 miles/hour

Explanation: The answer is "612 miles/hour" because $3060 / 5 = 612$.

45. Which one of the following is different from the rest?

A. 144

B. 25

✓ C. 10

D. 64

E. 16

Explanation: The answer is "10" because the other answers are squares of numbers. For example, $12 \times 12 = 144$, $5 \times 5 = 25$, $8 \times 8 = 64$, and $4 \times 4 = 16$.

46. Why do we brush our teeth?

A. To maintain fitness

B. To look good

C. To avoid stomach issues

✓ D. To keep healthy teeth

E. To maintain confidence

Explanation: The answer is "to keep health teeth" because that is the primary reason we brush our teeth.

47. Lion is to deer as cat is to:

A. Deer

B. Dog

C. Other cats

D. Snakes

✓ E. Mouse

Explanation: The answer is "mouse" because a "lion" eats a "deer" like a "cat" eats a "mouse."

48. What will come next?

28 56 46 92 84 ?

A. 128

B. 188

✓ C. 168

D. 140

E. 136

Explanation: The answer is "168" because the second number is double the first, the fourth number is double the third, and the missing sixth number is double the fifth. Therefore, $84 \times 2 = 168$.

49. A birthday cake was being cut, and Mandy was told that he would get 0.6, 60%, $3/5$ or 6%. Which three portions are same?

A. 0.6, $3/5$, 6%

✓ B. 0.6, 60%, $3/5$

C. 0.6, 60%, 6%

D. 60%, $3/5$, 6%

E. None of the above

Explanation: The answer is "0.6, 60%, $3/5$ " because these three all equal 60% of the cake, which is much more than 6%.

50. What will come next?

101 103 107 113 ?

✓ A. 121

B. 118

C. 119

D. 116

E. 115

Explanation: The answer is "121" because you add multiples of 2 to each number. Therefore, you add 2 to the first number, 4 to the second number, 6 to the third number, and finally 8 to the fourth number to find the answer of "121."

51. Which one of the following is different from the rest?

A. Cup

B. Plate

C. Glass

✓ D. Kitchen

E. Spoon

Explanation: The answer is "kitchen" because the other answers are items you would find in a "kitchen."

52. Blood is to heart as sight is to:

A. Ears

✓ B. Eyes

C. Vision

D. Nose

E. Human

Explanation: The answer is "eyes" because a "heart" pumps "blood" like "eyes" are required for "sight."

53. What will come next?

A D G J M ?

- A. O ☒ B. P
C. Q D. R
E. S

Explanation: The answer is "P" because there is a 2-letter difference between each letter in the series.

54. What will come next?

9 10 18 20 27 30 ?

- A. 45 B. 44
C. 45 D. 40
☒ E. 36

Explanation: The answer is "36" because you add 9 to the first, third, and fifth number. Therefore, the pattern is 9, 18, 27, and finally 36.

55. Which one of the following is different from the rest?

- A. Justice B. Truth
C. Loyalty ☒ D. Deceit
E. Fidelity

Explanation: The answer is "deceit" because the other answers are good, but "deceit" is a bad thing.

56. If 0.9 is less than $\frac{2}{5}$ mark A, otherwise mark B.

- A. A ☒ B. B
C. C D. D
E. E

Explanation: The answer is "B" because "0.9" is equal to 90% while $\frac{2}{5}$ is only 40%.

57. What will come next?

893 858 823 788 ?

- A. 777 B. 798
C. 745 ☒ D. 753
E. 758

Explanation: The answer is "753"

because the pattern shows that you subtract 35 from the previous number.

58. 6 is to hexagon as 3 is to:

- A. Square ☒ B. Triangle
C. Circle D. Octagon
E. Line

Explanation: The answer is "triangle" because a "hexagon" has "6" sides like a "triangle" has "3" sides.

59. What will come next?

98 88 93 83 88 ?

- ☒ A. 78 B. 85
C. 83 D. 81
E. 91

Explanation: The answer is "78" because the pattern shows that you subtract 10 from the first number, 5 from the second number, and then you repeat. Therefore, $88 - 10$ is 78.

60. Which one of the following is different from the rest?

- A. Religion B. Ideology
C. Belief D. Faith
☒ E. Arab

Explanation: The answer is "Arab" because an "Arab" is a type of person while the other answers describe what a person believes.

61. What will come next?

3 9 27 81 ?

- A. 228 ☒ B. 243
C. 288 D. 279
E. 299

Explanation: The answer is "243" because the pattern shows that you multiply each number by 3. Therefore, $81 \times 3 = 243$.

62. Money is to rich as piety is to:

- A. Man B. Nice

- C. Friendly ☒ D. Pious
E. Poor

Explanation: The answer is "pious" because if you're "rich" you have a lot of "money" like you're "pious" you have a lot of "piety."

63. What will come next?

58 54 46 34 ?

- ☒ A. 18 B. 30
C. 22 D. 26
E. 20

Explanation: The answer is "18" because the pattern shows that $58 - 4 = 54$, $54 - 8 = 46$, $46 - 12 = 34$, and finally $34 - 16 = "18."$

64. What will come next?

11 11 22 11 33 11 44 11 ?

- A. 54 B. 53
C. 48 ☒ D. 55
E. 11

Explanation: The answer is "55" because you add 11 to the first number and every other number after. Therefore, the pattern is 11, 22, 33, 44, and finally 55.

65. Which one of the following is different from the rest?

- ☒ A. Car B. TV
C. Laptop D. Cell phone
E. Tablet

Explanation: The answer is "car" because it's the only vehicle in the list.

66. What will come next?

99 66 33 ?

- A. 22 B. 30
☒ C. 00 D. 11
E. 35

Explanation: The answer is "00" because the pattern shows that you subtract 33 from the previous number.

67. Goose is to geese as cactus is to:

- A. Appendices ☒ B. Cactuses
C. A lot of cactus D. Plants
E. Trees

Explanation: The answer is "cactuses" because more than one "goose" are called "geese" like more than one "cactus" are called "cactuses."

68. What will come next?

2 15 41 80 ?

- A. 112 B. 111
C. 123 D. 122
☒ E. 132

Explanation: The answer is "132" because the pattern shows that $2 + 13 = 15$, $13 * 2 = 26 + 15 = 41$, $13 * 3 = 39 + 41 = 80$, and finally $13 * 4 = 52 + 80 = 132$

69. Which one of the following is different from the rest?

- A. Facebook B. WhatsApp
C. Snapchat ☒ D. Google
E. Instagram

Explanation: The answer is "Google" because the other answers are social media platforms, and Google is a search engine.

70. Who is the Prime Minister of Pakistan?

- ☒ A. Shahid Khaqan Abbasi
B. Mumnoon Hussain
C. Asif Ali Zardari
D. Bilawal Bhutto
☒ E. Imran Khan (current)

Explanation: The answer is "Shahid Khaqan Abbasi" because he is the current Prime Minister of Pakistan.

71. Urdu is to Pakistan as Chinese is to:

- A. UK B. Japan
C. World D. USA

✓ E. China

Explanation: The answer is "China" because "Urdu" is the language spoken in "Pakistan" like "Chinese" is the language spoken in "China."

72. What will come next?

55 50 44 37 29 ?

- ✓ A. 20 B. 21
C. 22 D. 23
E. 24

Explanation: The answer is "21" because the pattern shows that you subtract 5 from the first number, 6 from the second, and so on until you subtract 9 from 29 to get the missing number of "20."

73. What will come next?

50 89 129 170 212

- ✓ A. 255 B. 288
C. 223 D. 290
E. 278

Explanation: The answer is "255" because you add 39 to the first number, 40 to the second, 41 to the third, 42 to the fourth, and finally 43 to the fifth to get the answer of "255" since $212 + 43 = 255$.

74. If X comes later than P mark A, otherwise B.

- ✓ A. A B. B
C. C D. D
E. E

Explanation: The answer is "A" because "X" is after "P" in the alphabet.

75. What will come next?

40 120 200 280 ?

- A. 320 B. 330
C. 340 ✓ D. 360
E. 380

Explanation: The answer is "360"

because the pattern shows that you add 80 to each number. Therefore, $280 + 80 = 360$.

76. What will come next?

176 160 136 104 ?

- A. 90 B. 70
C. 60 D. 80
✓ E. 64

Explanation: The answer is "40" because the pattern shows that you subtract multiples of 8, since the difference between the first two numbers is 16, then 24, then 32. Therefore, when you subtract 40 from the final number, you get the missing number of "64."

77. What will come next?

P R T V X ?

- A. W B. Y
C. Q D. S
✓ E. Z

Explanation: The answer is "Z" because the pattern shows that there is only one letter between each letter in the list.

78. Which one of the following is different from the rest?

- A. Cabbage B. Carrot
C. Potato D. Peas
✓ E. Tomato

Explanation: The answer is "tomato" because it is the only fruit in the list.

79. $\frac{3}{7}$ of the gifts were opened by the birthday girl on her birthday. Her dad opened $\frac{1}{2}$ of what was left on the next day. How many are left?

- A. $\frac{3}{12}$ B. $\frac{3}{11}$
C. $\frac{3}{13}$ ✓ D. $\frac{3}{14}$
E. $\frac{3}{10}$

Explanation: The answer is "3/14" because $3/7$ of the gifts were left for the dad to open, and $3/7 \div 1/2 = "3/14."$

80. Peppermint ice cream recipe requires 2 cups of cream for 5 servings. How much cream would be required for 80 servings?

A. 20 B. 25
C. 30 D. 28
☒ E. 32

Explanation: The answer is "32" because $80 / 5$ is 16, and then when you multiply that by 2 cups, you get "32."

81. What will come next?
27 45 63 81 ?

A. 80 B. 88
C. 90 ☒ D. 99
E. 101

Explanation: The answer is "99" because the pattern shows that you add 18 to each number. Therefore, $81 + 18$ is 99.

82. Which one of the following is different from the rest?

A. Lion B. Wolf
C. Fox D. Tiger
☒ E. Cat

Explanation: The answer is "cat" because the other answers are all large animals, but a "cat" is a small household pet.

83. What will come next?
89 81 72 62 51 ?

A. 35 ☒ B. 39
C. 42 D. 43
E. 38

Explanation: The answer is "39" because the pattern shows that you subtract 8, then 9, then 10, then 11, and finally 12 from the final number.

84. 50% of the students like white chocolates and 60% like dark chocolates. Are there any students who like both chocolates?

A. 50% B. 60%
C. 20% D. 10%
E. 5%

Explanation: The answer is "10%" because at least half of the students like both kinds of chocolates, but 10% more like dark chocolates in addition to white chocolates.

85. What will come next?
12 24 48 96 ?

A. 188 B. 190
☒ C. 192 D. 194
E. 196

Explanation: The answer is "192" because the pattern shows that you double the previous number. Therefore, $96 \times 2 = 192$.

86. Which one of the following is different from the rest?

A. Yellow ☒ B. Pale
C. Black D. Green
E. Indigo

Explanation: The answer is "pale" because it's not a color like the rest of the answers.

87. People become terrorists due to:

A. Violent nature
B. Violence in religion
C. Communism
☒ D. Brainwashing
E. Capitalism

Explanation: The answer is "brainwashing" because that is the primary reason people become terrorists. The other answers are not suitable reasons.

88. How many outfit combinations can Sarah wear if she has three different shirts and two different pants?

A. 3 B. 2
C. 4 D. 5
☒ E. 6

Explanation: The answer is "6" because Sarah can wear each shirt with each pair of pants. Therefore, pant 1, shirt 1; pant 1, shirt 2; and pant 1, shirt 3. The same pattern follows for pant 2 and the same three shirts.

89. What will come next?

77 55 79 57 81 ?

☒ A. 59 B. 58
C. 57 D. 60
E. 61

Explanation: The answer is "59" because you add two to every number, and the missing number's pattern is 55, 57, and finally "59."

90. Ahmer likes to eat candies. In 24 hours, he ate a candy every 15 minutes. How many candies did Ahmer eat in those 24 hours?

A. 90 B. 91
☒ C. 96 D. 80
E. 88

Explanation: The answer is "96" because Ahmer ate 4 candies per hour, and since there are 24 hours in a day, $4 \times 24 = 96$.

91. The opposite of brave is:

A. Confident ☒ B. Scared
C. Annoyed D. Exasperated
E. Aggravated

Explanation: The answer is "scared" because none of the other answers means the opposite of "brave."

92. What will come next?

44 66 88 110 ?

A. 122 B. 128
C. 126 ☒ D. 132
E. 135

Explanation: The answer is "132" because the pattern shows that you add 22 to each number.

93. What will come next?

38 57 76 95 ?

A. 100 B. 110
C. 111 D. 113
☒ E. 114

Explanation: The answer is "114" because the pattern shows that you add 19 to each number.

94. What will come next?

122 142 162 182 ?

A. 192 ☒ B. 202
C. 212 D. 222
E. 232

Explanation: The answer is "202" because the pattern shows that you add 20 to each number.

Choose the word that makes the most sensible sentence.

95. A man is always _____ than a boy.

A. Wiser B. Taller
C. Smarter ☒ D. Older
E. Stronger

Explanation: The answer is "older" because all of the other answers could potentially be true about a boy, but only "older" is always correct.

96. Which of the following is a Pythagorean formula?

☒ A. $\text{Hypotenuse}^2 = \text{Base}^2 + \text{Perpendicular}^2$
B. $\text{Hypotenuse} = \text{Base} + \text{Perpendicular}$

- C. $\text{Hypotenuse}^2 = \text{Base}^2 + \text{Perpendicular}$
- D. $\text{Base}^2 = \text{Hypotenuse}^2 + \text{Perpendicular}^2$
- E. $\text{Perpendicular}^2 = \text{Base}^2 + \text{Hypotenuse}^2$

Explanation: The answer is "Hypotenuse² = Base² + Perpendicular²" because none of the other answers is an example of a Pythagorean formula.

97. What is the square root of 144?

- A. 14 B. 13

- ✓ C. 12 D. 5
- E. 6

Explanation: The answer is "12" because 12 x 12 is 144.

98. Shakespeare is to drama as Picasso is to:

- A. Photography B. ✓ Art
- C. Writing D. Pictures
- E. Paint brush

Explanation: The answer is "art" because "Shakespeare" wrote drama plays, and "Picasso" painted "art."

Practice Test 3

1. What will come next?

6 11 21 36 ?

- A. 40 B. 48
✓ C. 56 D. 58
E. 50

Explanation: The answer is "56" because the pattern shows that you increase by a factor of 5 for each number. Therefore, you add 5 to the first number, 10 to the second number, 15 to the third number, and finally 20 to the fourth number.

2. If Nida is younger than Sohaib and Azam while Azam is older than Sohaib. Does that mean Azam is older than Nida?

- ✓ A. Yes B. No
C. Uncertain
D. All of the above
E. None of the above

Explanation: The answer is "yes" because we know that "Nida" is the youngest person in the group.

3. Flow to river is as stagnant to:

- A. Rain B. Stream
C. Ocean ✓ D. Pool
E. None of the above

Explanation: The answer is "pool" because a "river" can "flow" and a "pool" can be "stagnant."

4. Which number from 1-100 has the letter "A" in its spellings?

- A. 99 B. 89
C. 77 D. 71
✓ E. None of the above

Explanation: The answer is "none of the above" because none of the answers has an "A" in it.

5. Naheed is older than Raziya and Ayesha. But Ayesha is younger than Raziya. Is Raziya older than Naheed?

- A. Yes ✓ B. No
C. Uncertain D. All of the above
E. None of the above

Explanation: The answer is "No" because we know that "Naheed" is the oldest person in the group.

6. What is the meaning of abate?

- A. Humiliate B. Berate
C. Mutilate ✓ D. Decline
E. Maim

Explanation: The answer is "decline" because none of the other answers is the opposite of "abate."

7. Which one is different from the rest?

- A. Hexagon B. Square
C. Triangle ✓ D. Sphere
E. Rectangle

Explanation: The answer is "sphere" because all of the other answers have sides, but a "sphere" does not.

8. Friend to eirfdn is as hungry to :

- A. Yrgnuh B. grynuyh
✓ C. gnuhyr D. hunryg
E. None of the above

Explanation: The answer is "gnuhyr" because it is the only anagram of "hungry" since "eirfdn" is an anagram of "friend."

9. Doctors do house job to:

- ☒ A. Practice
 B. Learn to stay at home
 C. Enjoy free time
 D. Prepare for exams
 E. None of the above

Explanation: The answer is "practice" because "doctors" learn how to become doctors in a "house job."

10. What will come next?

6 12 8 16 12 ?

- A. 18 ☒ B. 24
 C. 22 D. 16
 E. 1

Explanation: The answer is "24" because the pattern shows that you double the first number to get the second number. Therefore, when you double the final "12" you get "24."

11. If $8/2$ is greater than 2 write A, otherwise B.

- ☒ A. A B. B
 C. C D. D
 E. E

Explanation: The answer is "A" because " $8/2$ " is equivalent to 4, which is larger than "2."

12. Which one is different from the rest?

- A. Pencil
 B. Pencil Colours
 C. Sharpener
 D. Eraser
☒ E. Pencil box

Explanation: The answer is "pencil box" because it is the only container in the list of answers.

13. What will come next?

30 34 46 66 ?

- ☒ A. 94 B. 70
 C. 56 D. 78
 E. 80

Explanation: The answer is "94" because the pattern shows that you add 4 to the first number, 12 to the second number, 20 to the third number, and finally 28 to the fourth number to find the missing number of "94."

14. College to student is hospital to:

- ☒ A. Patients B. Doctors
 C. Staff D. Nurses
 E. Other hospitals

Explanation: The answer is "patients" because "students" pay a "college" like "patients" pay a "hospital."

15. Which one is different from the rest?

- A. Quilt B. Blanket
☒ C. Pillow D. Cover
 E. Masking

Explanation: The answer is "pillow" because it's the only answer that you rest your head on to sleep.

16. If 6 is greater than 6 into 2 then write A, otherwise B.

- ☒ A. A ☒ B. B
 C. C D. D
 E. E

Explanation: The answer is "B" because "6" is larger than "6 into 2," which is 0.33.

17. Bilgram goes to a super market and buys 2 grams of chocolate. The price of chocolate per kg is 1000 rupees. How much did Bilgram pay?

- ☒ A. 2 rupees B. 20 rupees
 C. 200 rupees D. 50 rupees
 E. 15 rupees

Explanation: The answer is "2 rupees" because when you divide 1000 kg by 1000 to get the price of 1 gram of chocolate, you learn that each gram is 1

rupee. Since "Bilgram" bought two grams, he paid "2 rupees."

18. What will come next?

988 970 934 880 ?

- A. 760 B. 789
C. 808 D. 763
E. 777

Explanation: The answer is "808" because each number subtracts by a power of 18. Therefore, there is 18 between the first 2 numbers, 36 between numbers 2 and 3, 54 between numbers 3 and 4, and finally 72 between numbers 4 and 5.

19. Physician to treatment is as Judge to :

- A. Law B. Courts
C. Advocates D. Judgment
E. Legislation

Explanation: The answer is "judgment" because a "physician" provides "treatment" like "judge" provides "judgment."

20. How many times can you subtract the number 5 from 25?

- A. Once B. Thrice
C. 5 times D. Twice
E. 6 times

Explanation: The answer is "5 times" because 5 x 5 is 25.

21. Which amount is the largest?

- A. 0.04 B. 0.0009
C. 0.03 D. 0.002
E. 0.01

Explanation: The answer is "0.04" because every answer has a 0 after the decimal, but then the 4 is the largest next number.

22. What is the opposite of calm?

- A. Beautiful B. Apprehensive

- C. Anxious D. Dismal
E. Depressing

Explanation: The answer is "anxious" because none of the other answers describe the opposite of "calm."

23. CEDH to HDEC is as PNRV to:

- A. VRNP B. RNVP
C. NRVP D. VPNR
E. VPRN

Explanation: The answer is "VRNP" because it is the reverse of "PNRV."

24. What will come next?

1 4 9 16 25 ?

- A. 32 B. 33
C. 34 D. 35
E. 36

Explanation: The answer is "36" because the pattern shows that you increase by 3, then 5, then 7, then 9, and finally by 11.

25. What is the area of a rectangle that has one side=2x and other side=x?

- A. 3x B. 2x²
C. x³ D. 2x³
E. 3x²

Explanation: The answer is "2x²" because the formula to figure out the area of a rectangle is length x width. Therefore, 2x x x = "2x²."

26. What will come next?

18 8 24 16 32 ?

- A. 16 B. 24
C. 38 D. 46
E. 20

Explanation: The answer is "24" because the pattern shows that the second set of numbers increases by 8. Therefore, the pattern is 8, 16, and finally "24."

27. People swim to:

- a. Enjoy the water
- ☒ b. Become an expert swimmer
- c. Become healthier
- d. Become popular
- e. Become up to date

Explanation: The answer is "become healthier" because that's the primary reason why "people swim" compared to the other answers.

28. Kick to football is as throw to:

- A. Dishes B. Sweep
- C. Blower ☒ D. Ring
- E. Boil

Explanation: The answer is "ring" because you "kick" a "football" like you "throw" a "ring."

29. What will come next?

21 63 189 567 ?

- A. 1690 B. 1780
- C. 1701 D. 1789
- E. 1678

Explanation: The answer is "1701" because the numbers increase by increasing powers of 42. Therefore, there is one 42 between numbers 1 and 2, three 42s between numbers 2 and 3, nine 42s between numbers 3 and 4, and finally 27 42s between numbers 4 and 5.

30. Which one is different from the rest?

- A. Hammer B. Spade
- C. Axe ☒ D. Blacksmith
- E. Mallet

Explanation: The answer is "blacksmith" because it's the only person. The other answers are all tools.

31. What is the same as abscond?

- A. Sense B. Avoid
- C. Pass ☒ D. Flee

E. Hold

Explanation: The answer is "flee" because none of the other answers mean quite the same thing as "abscond."

32. What is 2% of 5% of 500?

- A. $3/2$ ☒ B. $1/2$
- C. $3/5$ D. $3/7$
- E. $1/9$

Explanation: The answer is " $1/2$ " because 500×0.05 is 25, and 25×0.02 is 0.05, or " $1/2$."

33. Sunrise to sunset is as morning to:

- A. Twilight B. Midnight
- ☒ C. Night D. Dawn
- E. Noon

Explanation: The answer is "night" because "sunrise" is the opposite of "sunset" just like "morning" is the opposite of "night."

34. If 90 is greater than a multiple of 100 write A, otherwise B.

- A. A ☒ B. B
- C. C D. D
- E. E

Explanation: The answer is "B" because "90" can never be greater than any multiple of "100" since "100" alone is already greater than "90."

35. What was the speed of a car that covered 80 miles in 2 hours?

- ☒ A. 40 miles/hour
- B. 20 miles/hour
- C. 30 miles/hour
- D. 50 miles/hour
- E. 55 miles/hour

Explanation: The answer is "40 miles/hour" because when you divide "80 miles" by "2" you get "40."

36. Get-togethers take place to:

- A. Respect traditions
- ☒ B. Bring people together
- C. Wear branded clothes
- D. Enjoy good food
- E. None of the above

Explanation: The answer is "bring people together" because that is the primary reason "get-togethers" happen.

37. Border to country is as frame to:

- A. Cover
- B. Book
- C. Photography
- ☒ D. Picture
- E. None of the above

Explanation: The answer is "picture" because a "border" surrounds a "country" just like a "frame" surrounds a "picture."

38. What will come next?

22 20 16 10 2 ?

- A. 0
- B. -2
- C. -6
- ☒ D. -8
- E. -10

Explanation: The answer is "-8" because the pattern shows that you decrease by multiples of 2. Therefore, you subtract 2, then 4, then 6, then 8, and finally 10 to get "-8."

39. If Naheed's mother is sister of Sania's sister's father, what is the relationship between Naheed and Sania?

- A. Aunt and niece
- B. Uncle and niece
- ☒ C. Cousins
- D. Sisters
- E. None of the above

Explanation: The answer is "cousins" because "Naheed" is the daughter of a woman who is the brother of "Sania's" father.

40. Nun is to convent as hen is to:

- ☒ A. Cote
- B. Shed
- C. Cell
- D. Nest
- E. House

Explanation: The answer is "cote" because a "nun" lives in a "convent" just like a "hen" lives in a "cote."

41. What will come next?

6 10 66 11 726 12 ?

- A. 7784
- B. 7690
- ☒ C. 7986
- D. 7780
- E. 7777

Explanation: The answer is "7986" because the pattern shows that you multiply the first, third, and fourth numbers by 11. Therefore, 726×11 is 7986.

42. Which one is different from the rest?

- A. 288
- B. 444
- C. 388
- ☒ D. 977
- E. 122

Explanation: The answer is "977" because it is the only odd number among the answers.

43. In a jar, black and green beans are in a ratio of 1:1. 300 beans are black beans. How many beans are there in a jar?

- A. 150
- B. 300
- C. 250
- ☒ D. 600
- E. 900

Explanation: The answer is "600" because we know there must be 300 black and 300 green beans. Therefore, $300 + 300 = 600$.

44. What will come next?

49 47 44 39 ?

- A. 31
- ☒ B. 32
- C. 34
- D. 35
- E. 37

Explanation: The answer is "32" because the pattern shows that you

subtract prime numbers, 2 3, 5, and finally 7.

45. 100. Andria paid 400 rupees for 20 cans of juice. If she buys 3 cans at the same price, what would be the cost?

A. 30 B. 40
C. 50 ✓ D. 60
E. 70

Explanation: The answer is "60" because each can costs 20 rupees.

46. What will come next?

$1/5$ $2/5$ $3/5$ $4/5$?

A. 0 ✓ B. 1
C. 2 D. 3
E. 4
a. 5

Explanation: The answer is "1" because the pattern shows that you add $1/5$ to each number, so the missing number is $5/5$, which equals "1."

47. Which one is different from the rest?

A. Refrigerator
B. Air Conditioner
✓ C. Sandwich maker
D. Air cooler
E. Freezer

Explanation: The answer is "sandwich maker" because all of the other answers are large appliances.

48. In the following series, take the number in the centre. Add it to the sum of total numbers and multiply it with the smallest figure in the series. What is the answer?

37 8 3 40 19

A. 310 B. 320
C. 560 D. 380
✓ E. 330

Explanation: The answer is "330" because $37 + 8 + 3 + 3 + 40 + 19 = 110$, and $110 \times 3 = "330."$

49. What will come next?

20 21 23 21 25 21 ?

A. 26 ✓ B. 27
C. 28 D. 28
E. 30

Explanation: The answer is "27" because the pattern shows that starting with the first, then third, then fifth, and finally the seventh missing number you add 3 to the first number, then 5 to the first number, and finally 7 to the first number.

50. What will come next?

1 7 14 22 31 ?

✓ A. 41 B. 39
C. 37 D. 40
E. 42

Explanation: The answer is "41" because the pattern shows that you add 6, then 7, then 8, then 9, and finally 10 to the previous number.

51. What is the meaning of accuse?

✓ A. Blame B. Prosecute
C. Judge D. Punish
E. None of the above

Explanation: The answer is "blame" because it more closely matches the meaning of "accuse" than any of the other answers.

52. If Alina is younger than Sana but Sana and Aliza are studying in the same class. Can it be assumed from the given information that Alina is younger than Aliza?

A. Yes B. No
✓ C. Uncertain D. None of the above

E. All of the above

Explanation: The answer is "uncertain" because we don't know how old "Aliza" is compared to "Alina."

53. What will come next?

9 27 45 63 ?

- A. 56 B. 47
C. 58 ☒ D. 81
E. 99

Explanation: The answer is "49" because the pattern shows that starting with the first number, you use 9×3 to get the second number, then 9×5 to get the third number, then 9×7 to get the fourth number, and finally 9×9 to get the missing number of "81."

54. What will come next?

BDFH JLNP ?

- A. QRST ☒ B. RTVX
C. TUVZ D. SUVX
E. TVWX

Explanation: The answer is "RTVX" because the pattern shows that you skip one letter between each letter in the series. Therefore you skip Q and get "R," skip S and get "T," skip U and get "V," and finally skip W and get "X."

55. Arya and Sansa are of the same age and live in the same kingdom. Jon and Tyrion are the eldest members of the kingdom. Margaery, Jon's daughter, is in the same class with Arya and Sansa at the school, and all are age fellows. Can it be assumed from the given information that Tyrion is older than Sansa?

- ☒ A. Yes B. No
C. Uncertain
D. None of the above
E. All of the above

Explanation: The answer is "yes" because we know that "Jon and Tyrion" are the eldest members of the kingdom, so they must be older than "Sansa."

56. What will come next?

25 50 100 175 ?

- A. 225 B. 250
☒ C. 275 D. 200
E. 300

Explanation: The answer is "275" because the pattern shows that you add 25, then 50, then 75, and finally 100.

57. What will come next?

1 9 25 49 ?

- A. 76 ☒ B. 81
C. 56 D. 72
E. 73

Explanation: The answer is "81" because the pattern shows that 1×1 is 1, 3×3 is 9, 5×5 is 25, 7×7 is 49, and finally, 9×9 is 81.

58. $(x + y)(x - y) = ?$

- A. $2x - 2y$ B. $2x + 2y$
☒ C. $x^2 - y^2$ D. $2x$
E. $(x - y)^2$

Explanation: The answer is $x^2 - y^2$ because when you multiply two x's, you get x^2 , when you multiply two y's, you get y^2 , and since one parenthesis is positive and one is negative, it defaults to negative or subtraction.

59. Which one is different from the rest?

- A. Lion: roar
B. Snake: Slither
☒ C. Chicken: Hum
D. Goat: bleat
E. Dog: Bark

Explanation: The answer is "chicken: hum" because the other answers

correctly list an animal and the noise it makes, but chickens don't hum.

60. What will come next?

9 81 648 ?

- ✓ A. 4536 B. 4478
C. 4632 D. 4589
E. 4443

Explanation: The answer is "4536" because the pattern shows that you multiply the first number by 9, the second number by 8, and finally the third number by 7. Therefore, $648 \times 7 = 4536$.

61. The media has the responsibility to:

- a. Entertain different cults
b. Promote religious extremism
✓ c. Help strengthen democracy
d. Promote shows for ratings
e. None of the above

Explanation: The answer is "help strengthen democracy" because that is the most important responsibility of the media more than any of the other answers.

62. Ali earns 1120 rupees every week. His rent costs 420 rupees per week and car costs 93 rupees per week. He also donates 10% of his weekly salary to charity. How much money is he left with?

- A. 440 B. 480
C. 432 ✓ D. 495
E. 500

Explanation: The answer is "495" because 10% of 1120 is 112, $1120 - 112 = 1008$, $1008 - 420 = 588$, and finally $588 - 93 = 495$.

63. Which one is different from the rest?

- A. Wheat B. Maize
C. Sunflower ✓ D. Rose
E. Sugarcane

Explanation: The answer is "rose" because it's the only flower among the answers.

64. What will come next?

585 500 425 360 ?

- A. 320 B. 280
C. 290 D. 295
✓ E. 305

Explanation: The answer is "305" because the pattern shows that you subtract 85 from the first number, 75 from the second number, 65 from the third number, and finally 55 from the fourth number.

65. What will come next?

95 190 570 2280 ?

- A. 11,300 B. 11,200
C. 11,500 ✓ D. 11,400
E. 11,600

Explanation: The answer is "11,400" because the second number is double the first, the third is triple the second, the fourth is four times the third, and finally, the fifth is five times the fourth number. Therefore, $2280 \times 5 = 11,400$.

66. Women learn to drive to:

- A. Kill people
B. Enjoy their life
C. Educate masses
✓ D. Play a constructive role in society
E. None of the above

Explanation: The answer is "play a constructive role in society" because none of the other answers explain why "women learn to drive" more.

67. The cost of a car is 10,000 dollars in the market. However Aslam manages to get a waiver of 20% due to his relationship with the manager of the showroom. Moreover, he buys it on

instalments. He pays 20% of the cost every 6 months. How much is he paying every month?

- A. 1200 dollars B. 1400 dollars
~~C. 1600 dollars~~ D. 1800 dollars
 E. 2000 dollars

Explanation: The answer is "1600 dollars" because he originally bought the car for only 8,000 dollars since $10,000 \times .2 = 2,000$. Then, $8,000 \times .2 = 1600$ dollars, since he pays only 20% each six months.

68. If $\frac{1}{2}$ is equal to $\frac{3}{6}$ write A, otherwise B.

- A. A ~~B. B~~
 C. C D. D
 E. E

Explanation: The answer is "A" because " $\frac{3}{6}$ " reduces to $\frac{1}{2}$.

69. What will come next?
 550 541 514 469 ?

- A. 425 B. 436
 C. 411 D. 420
~~E. 406~~

Explanation: The answer is "406" because the pattern shows that the difference between the numbers are increasing multiples of 9. Therefore, the difference between numbers 1 and 2 is 9, between 2 and 3 is 27, between 3 and 4 is 45, and finally, between 4 and 5 is 63.

70. What is 3% of 9% of 1500?

- ~~A. 4.05%~~ B. 3%
 C. 2.05% D. 1%
 E. 2.5%

Explanation: The answer is "4.05%" because $1500 \times .09 = 135$, and $135 \times .03 = 4.05$.

71. Which one is different from the rest?

- A. River B. Ocean
~~C. Glacier~~ D. Stream
 E. Sea

Explanation: The answer is "glacier" because it's the only frozen and solid answer, since the rest are all flowing water.

72. The meaning of life is to:

- ~~A. Discover yourself~~
 B. Earn money
 C. Make gold
 D. Buy a yacht
 E. Become a doctor

Explanation: The answer is "discover yourself" because none of the other answers explain "the meaning of life" more than "discover yourself."

73. What will come next?

400 394 358 142 ?

- A. -1154 B. -1034
 C. -1179 D. -1234
 E. -1869

Explanation: The answer is "-1154" because you subtract by ascending powers of 6. The difference between the first two numbers is -6, between the second and third numbers is -36, between the third and fourth numbers is -216, and finally between the fourth and missing fifth number is -1296. Therefore, $1296 - 142 = -1154$.

74. Maria's mother is the sister of Asma's father's sister. What is the relationship between Maria's mother and Asma?

- ~~A. Aunt and niece~~ B. Cousins
 C. Sisters
 D. Mother and daughter
 E. None of the above

Explanation: The answer is "aunt and niece" because Maria's mother is the sister of Asma's father.

75. Which one is different from the rest?

- A. Asia
- ☒ B. Arctic
- C. Australia
- D. South America
- E. Gulf

Explanation: The answer is "arctic" because it is the only answer that is frozen.

76. What will come next?

8 10 13 18 25 ?

- A. 32
- ☒ B. 34
- C. 36
- D. 38
- E. 39

Explanation: The answer is "36" because the pattern shows that you add 8 to the second number to get the fourth number, and then 16 to the fourth number to find the missing sixth number of "34."

77. What will come next?

200 182 146 92 ?

- A. 10
- B. 20
- C. 30
- D. 40
- E. 50

Explanation: The answer is "20" because you subtract by ascending powers of 18. Therefore, the difference between the first and second numbers is 18, between the second and third numbers is 36, between the third and fourth numbers is 54, and finally between the fourth and missing fifth number is 72.

78. Chair is to wood as trouser is to:

- A. Linen
- B. Stuff
- ☒ C. Cloth
- D. Pants
- E. None of the above

Explanation: The answer is "cloth" because a "chair" is made of "wood" just like a "trouser" is made of "cloth."

79. Which one is different from the rest?

- A. India
- B. Afghanistan
- C. Pakistan
- D. Malaysia
- ☒ E. Brazil

Explanation: The answer is "Brazil" because it is the only country not located in Asia.

80. The price of the sandwich at a famous restaurant was 600 rupees for 1 ft long loaf. What would 4 inches loaf cost?

- A. 100
- B. 150
- C. 200
- D. 250
- E. 300

Explanation: The answer is "200" because if 1 ft long costs 600 rupees, then $\frac{1}{3}$ of that price would be 200 rupees.

81. If 2.5 is equal to $\frac{5}{2}$ write A, otherwise B.

- ☒ A. A
- B. B
- C. C
- D. D
- E. E

Explanation: The answer is "A" because $\frac{5}{2} = 2.5$.

82. Reading is to knowledge as work is to:

- A. Money
- B. Job
- C. Routine
- ☒ D. Experience
- E. None of the above

Explanation: The answer is "experience" because "reading" provides "knowledge" just as "work" provides "experience."

83. When in Rome, do as the:

- A. Alexander
- ☒ B. Romans
- C. Italians
- D. Americans
- E. Europeans

Explanation: The answer is "Romans" because they are the people who lived in "Rome," and that's how the famous expression goes.

84. Which one is different from the rest?

- A. Chief B. Leader
C. Head ☒ D. Thief
E. Chairman

Explanation: The answer is "thief" because the other answers are all leaders.

85. Religions are meant to:

- A. Disunite people
☒ B. Follow God
C. Create wars
D. Fight against non-Muslims
E. None of the above

Explanation: The answer is "follow God" because that's the primary purpose of "religions" more so than any of the other answers.

86. What will come next?

9 17 33 57 ?

- ☒ A. 89 B. 109
C. 119 D. 129
E. 139

Explanation: The answer is "129" because the pattern shows that you add 8, then 16, then 24, and finally 32 to find the missing number of "89."

87. What is the opposite of abuse?

- A. Hurt B. Injure
C. Wound D. Exploit
E. Explore

Explanation: The answer is "exploit" because it means the opposite of "abuse" more than the other answers.

88. The probability of having cancer in children is 3 per every 1500 in U.K. If

there are total 13,500 children in U.K, how many might get cancer?

- A. 23 B. 25
☒ C. 27 D. 29
E. 31

Explanation: The answer is "27" because $13,500 / 1500 = 9$, and $9 \times 3 = 27$.

89. Which one is different from the rest?

- A. Van B. Bus
C. Car D. Cab
☒ E. Rickshaw

Explanation: The answer is "rickshaw" because it is the only form of transportation among the answers that requires someone to pull it.

90. Dress to body is as bangles to:

- ☒ A. Wrist B. Body
C. Personality D. Femininity
E. Beauty

Explanation: The answer is "wrist" because you wear a "dress" on your "body" like you wear "bangles" on your "wrist."

91. What will come next?

80 56 56 56 36 56 20 56 ?

- A. 4 ☒ B. 8
C. 7 D. 9
E. 6

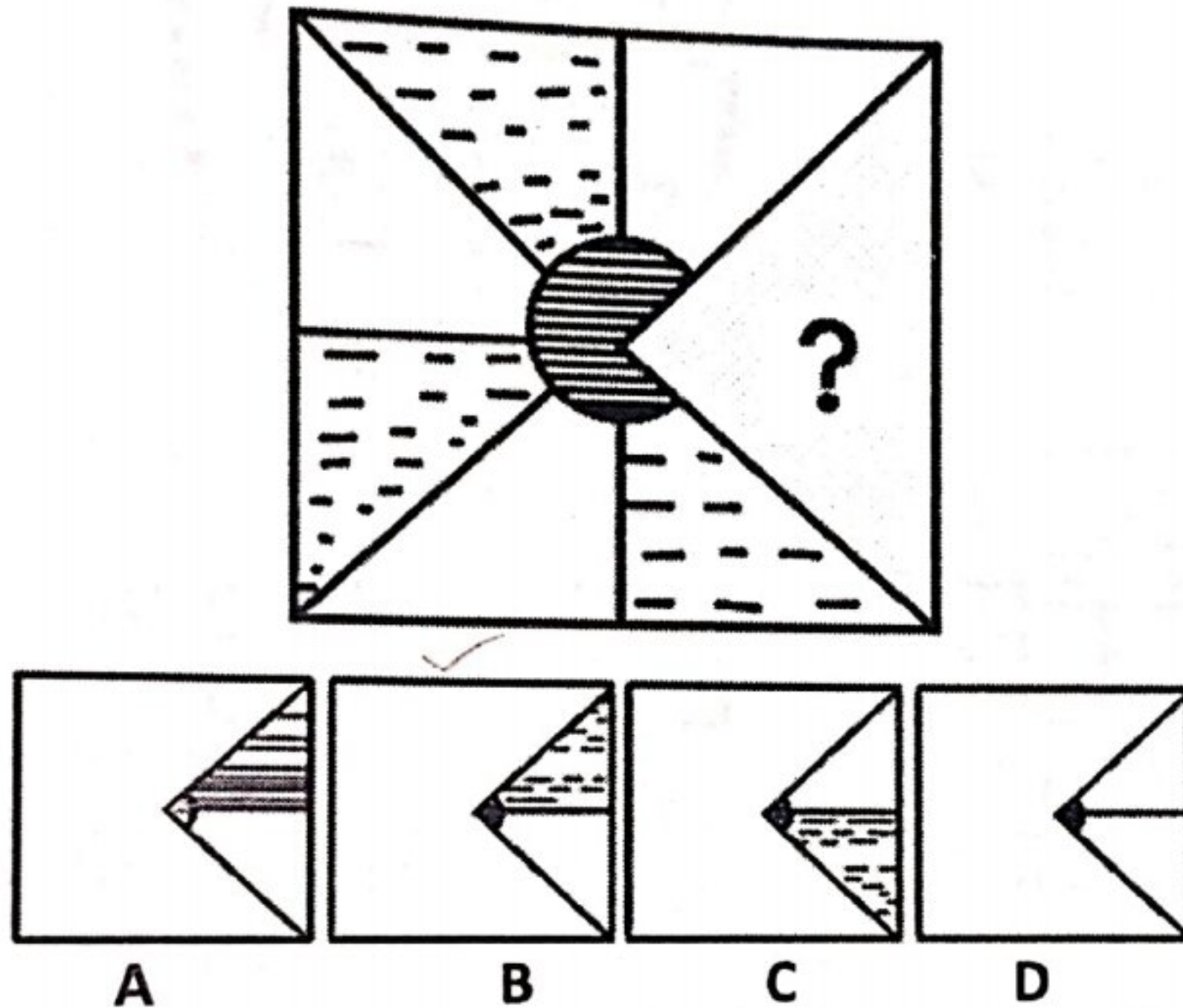
Explanation: The answer is "8" because the pattern shows that you decrease by powers of 4 starting with the first and then every other number after. Therefore, you subtract 24 from the first to get the third number, 20 from the third to get the fifth number, 16 from the fifth to get the seventh number, and finally 12 from the seventh to get the missing ninth number.

PMA LONG COURSE PRACTICE TEST 1

Non-VERBAL INTELLIGENCE TEST

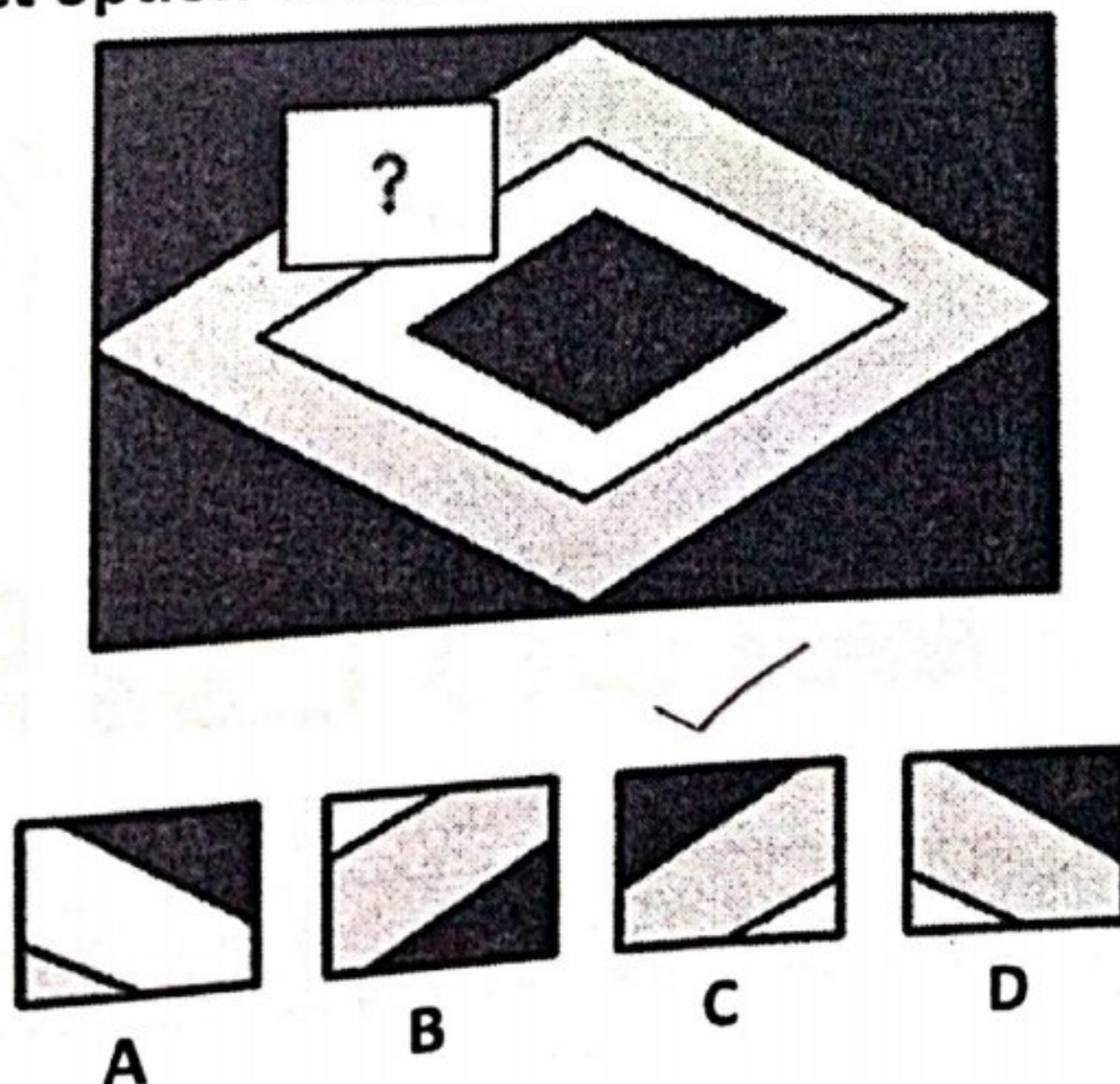
Attempt the following test to practice nonverbal intelligence questions. To practice hundreds of further questions visit tabir.pk

1. Choose the correct option to fill in the missing spot.



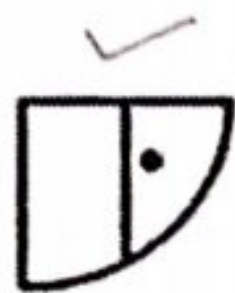
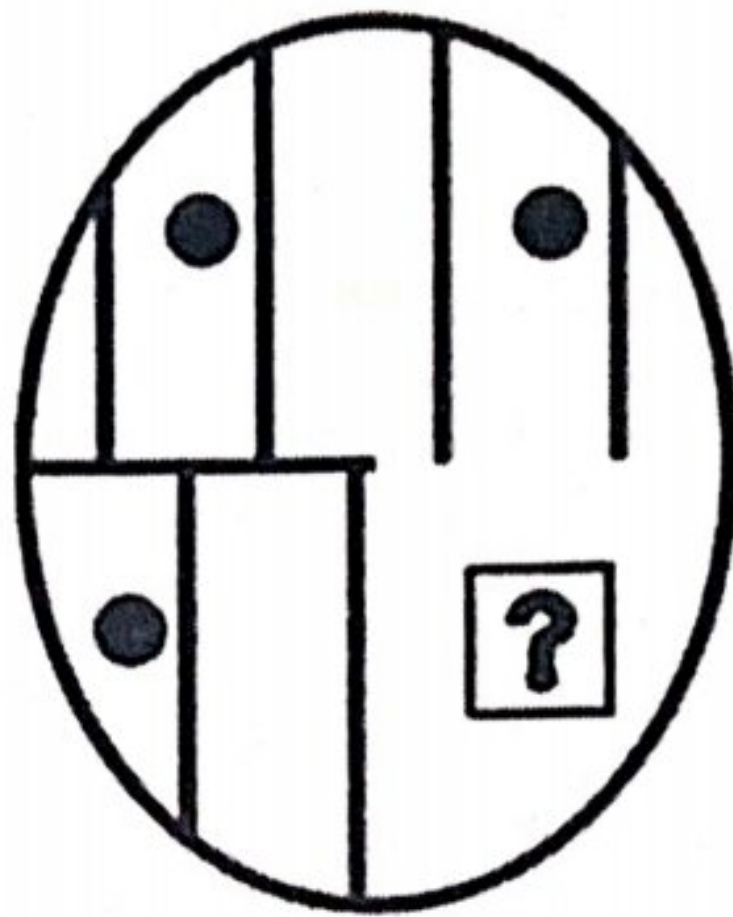
	B	best match the missing section. In one quarter of the square we see an empty triangle and a filled triangle which are placed in an alternating fashion.
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2. Choose the correct option to fill in the missing spot.



	C	Moving from the outer rectangle to the inner shapes, colour changes from black to grey to white.
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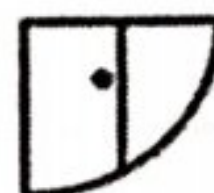
3. Choose the correct option to fill in the missing spot.



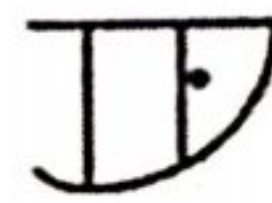
A



B



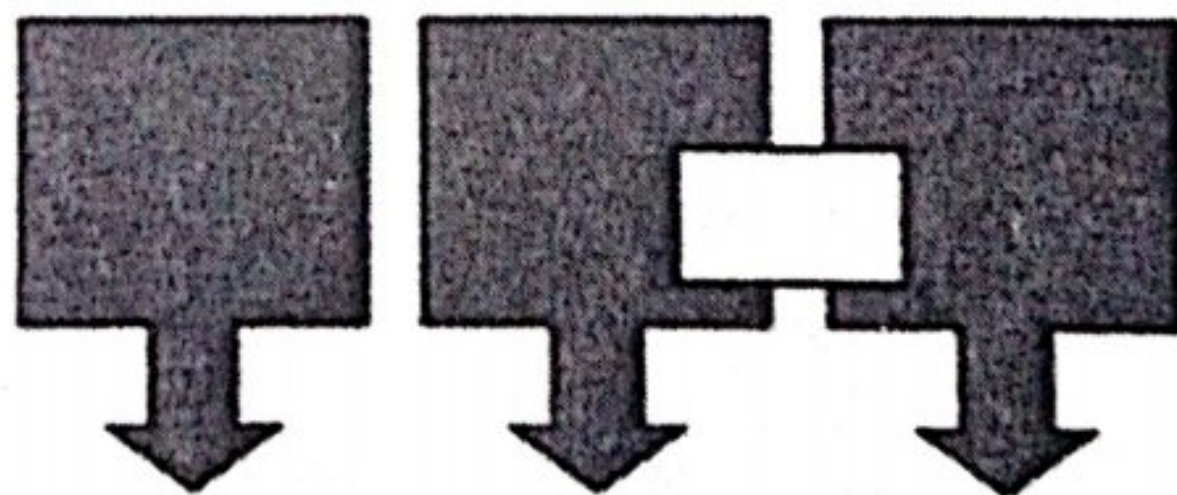
C



D

A	The bottom left corner of the sector is divided into two segments and has a dot in the outwards segment, hence suitable segment should have two portions with one dot in outer side.
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4. Choose the correct option to fill in the missing spot.



A



B



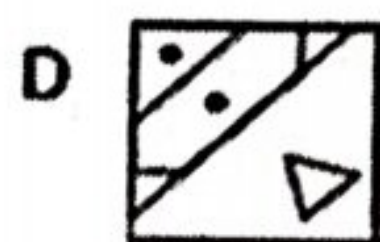
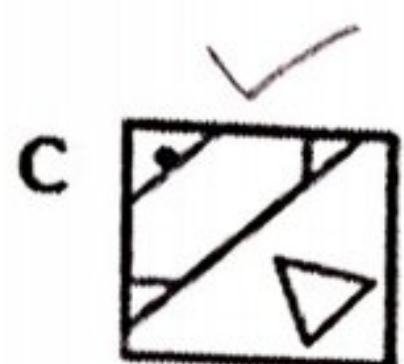
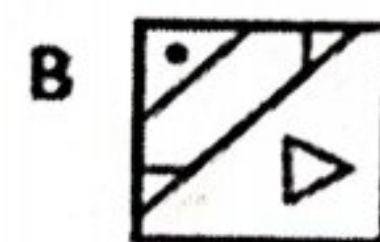
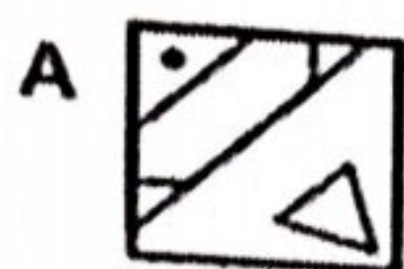
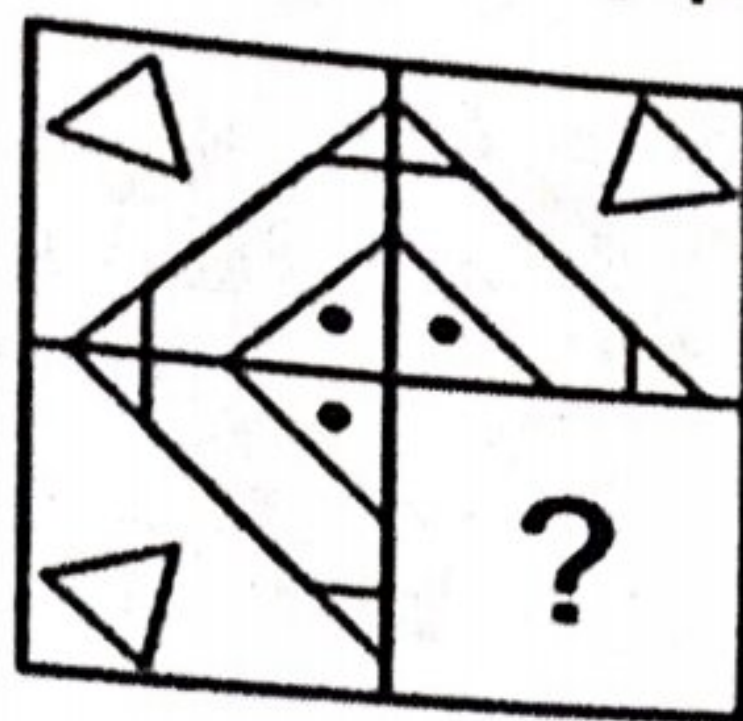
C



D

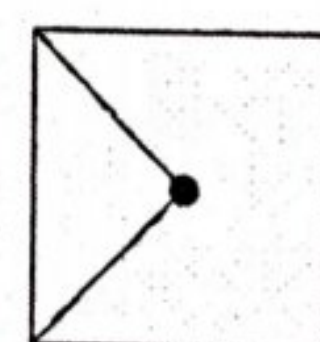
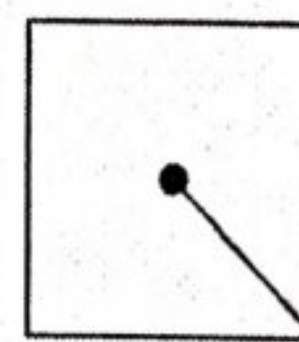
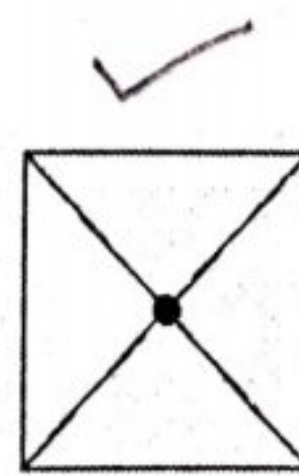
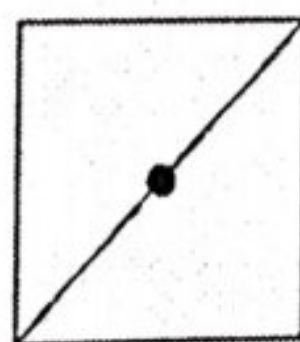
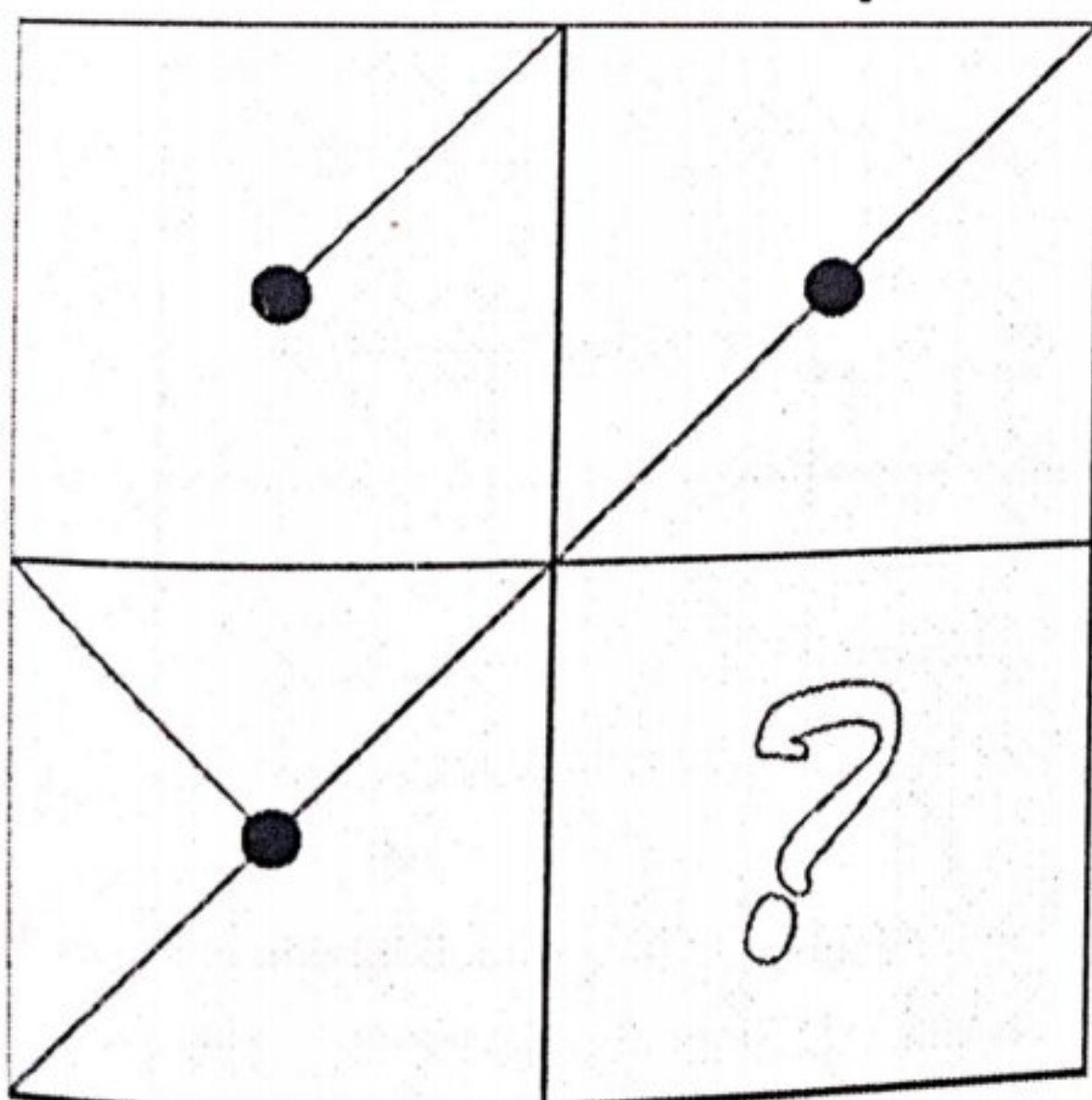
D	Pattern should have white strip between two black strips.
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5. Choose the correct option to fill in the missing spot.



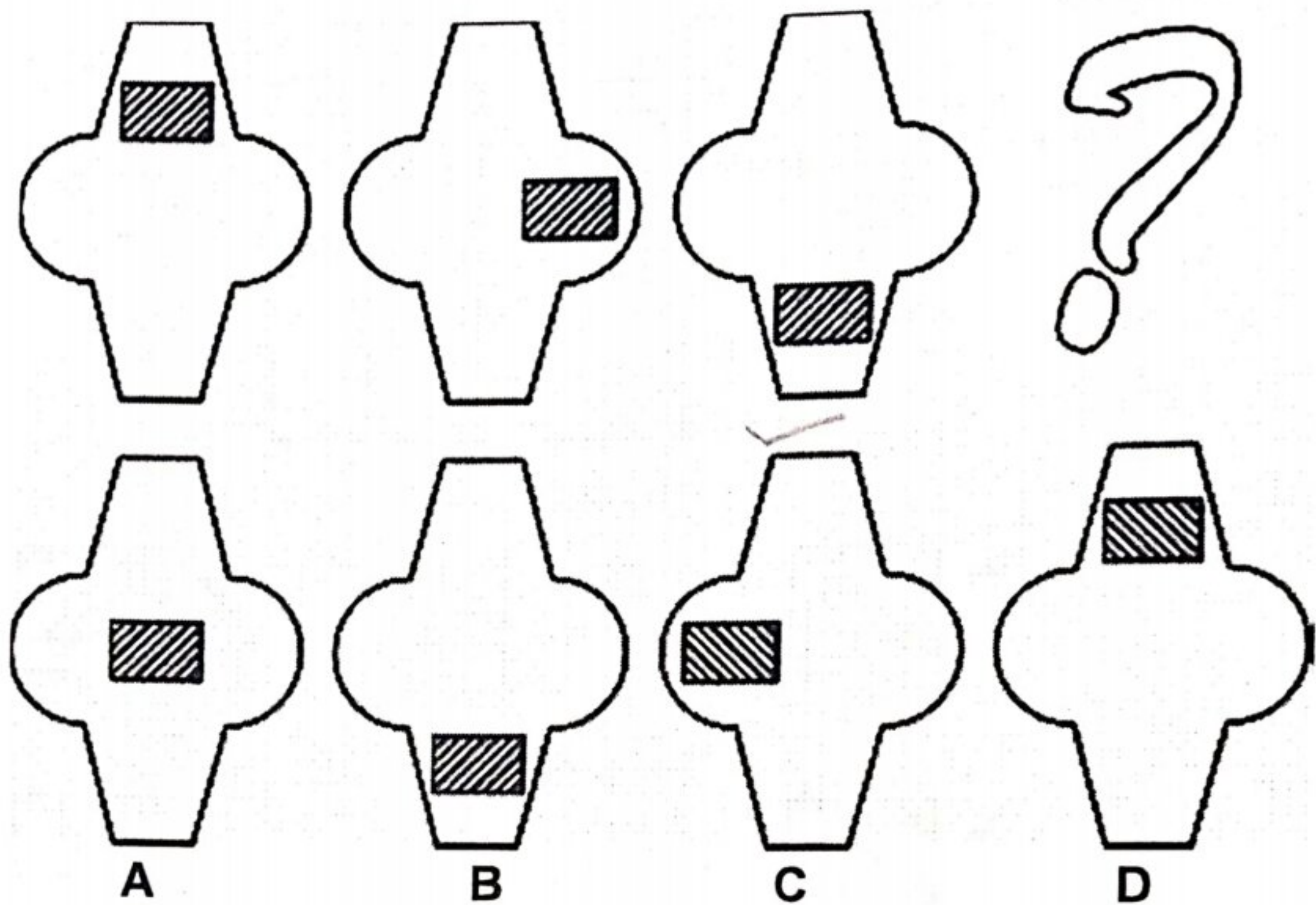
C	The corners of all the triangles point towards the centre of the square and each smaller square has a single dot in them so options A and D are eliminated. C is best choice because the size of the small triangle corresponds to the size of other triangles.
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6. Choose the correct option to fill in the missing spot.



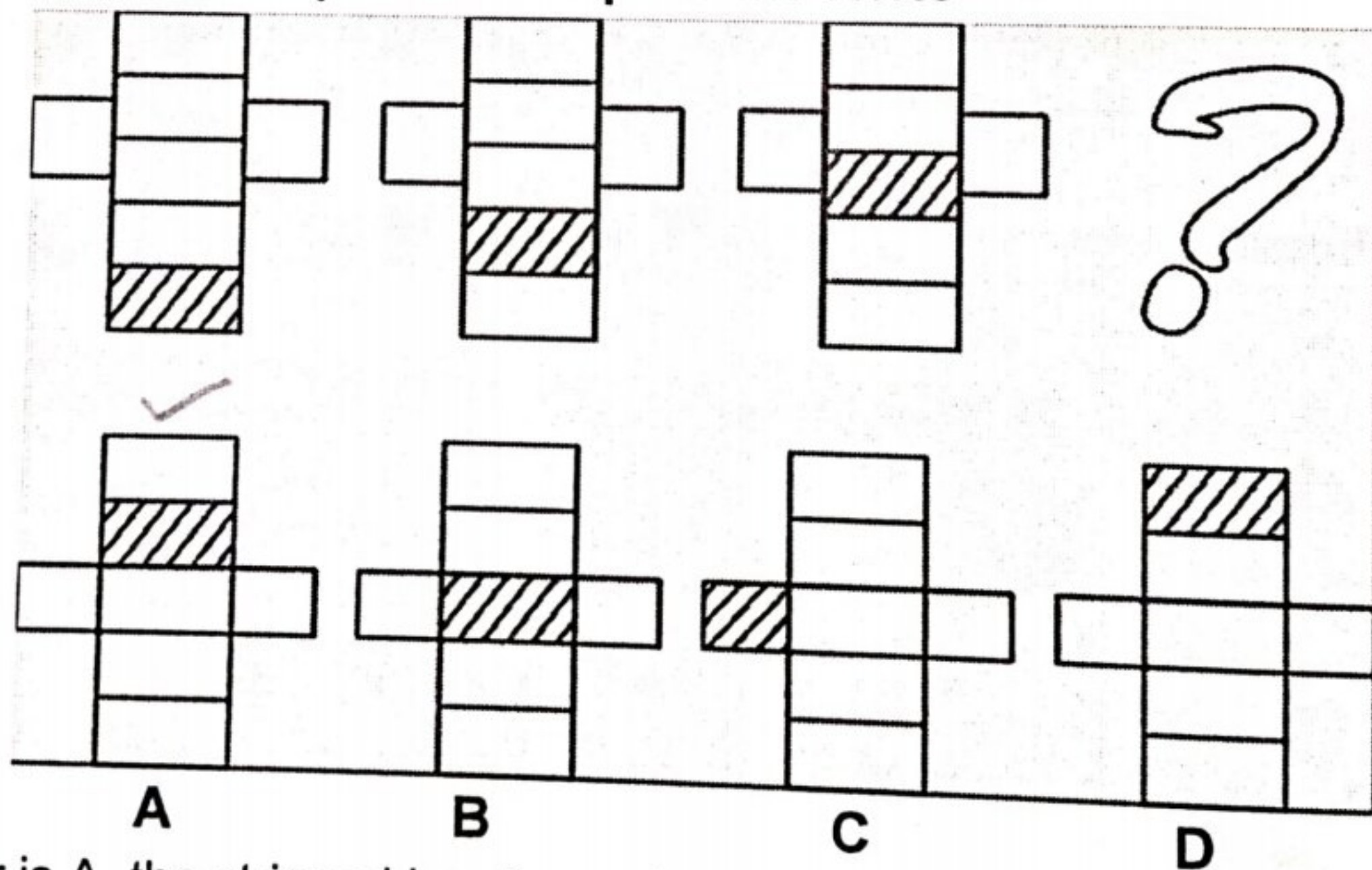
The answer is B, the sequence of square shows the first square with one line, the second on the right hand side with two lines, and the third square on the bottom left-hand side with three lines. Therefore the solutions will have 4 lines, which is B.

7. Choose the correct option to complete the series



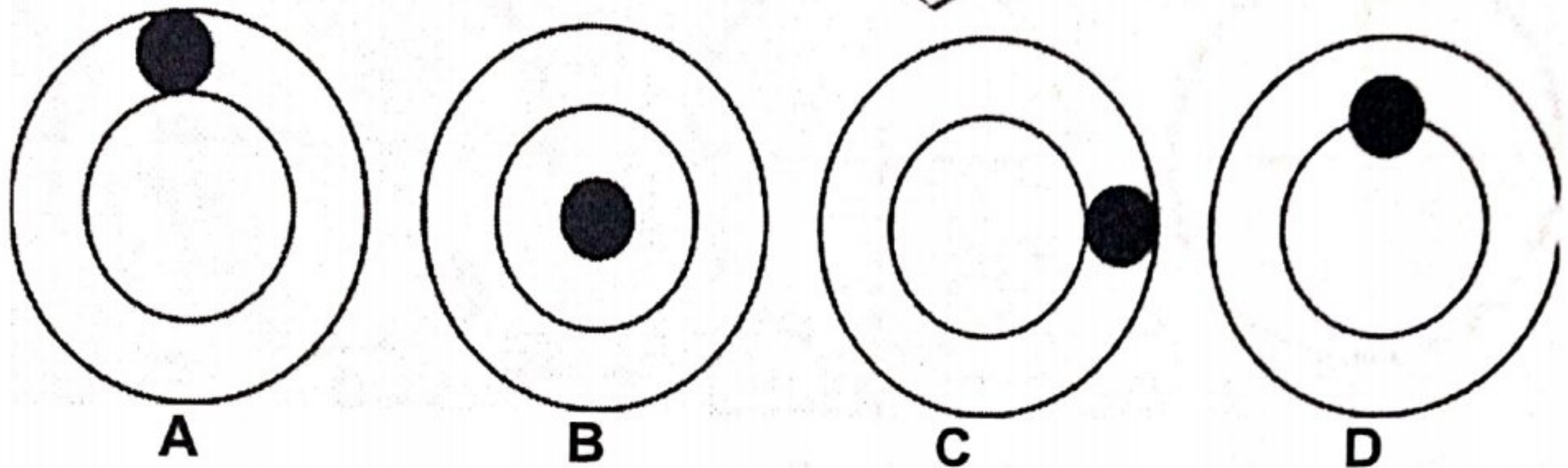
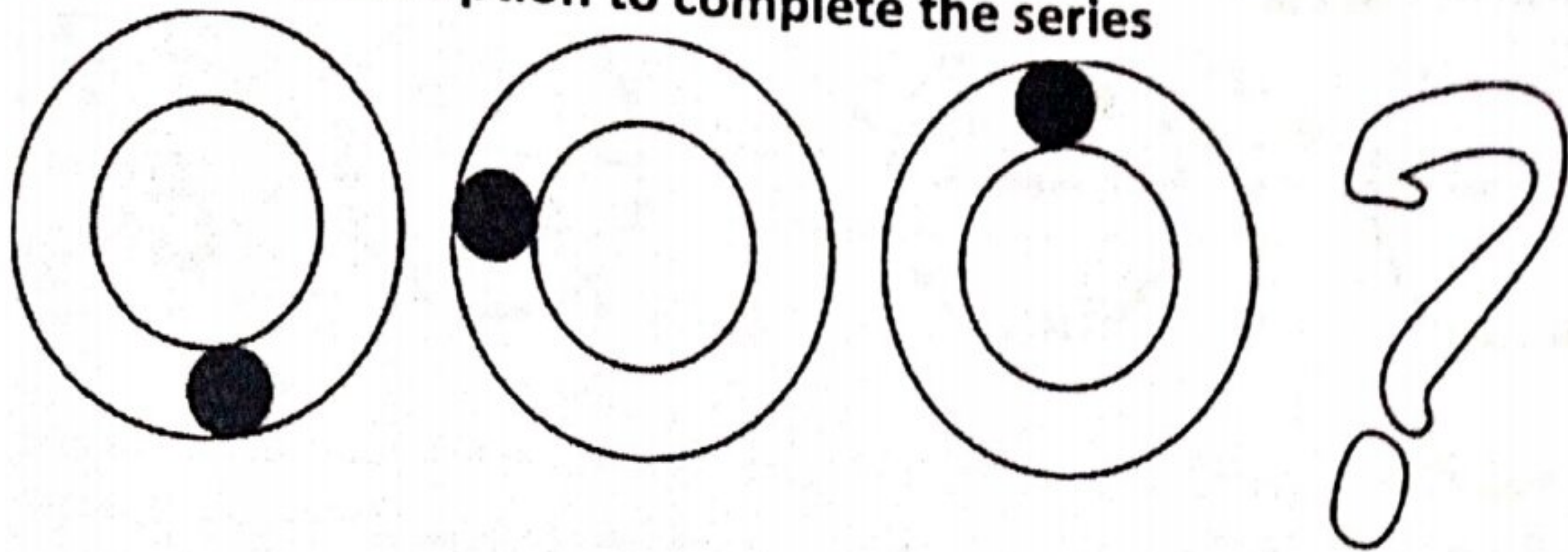
Answer is C, the first and the third images are reflections of each other. The second image's mirror image is therefore C.

8. Choose the correct option to complete the series



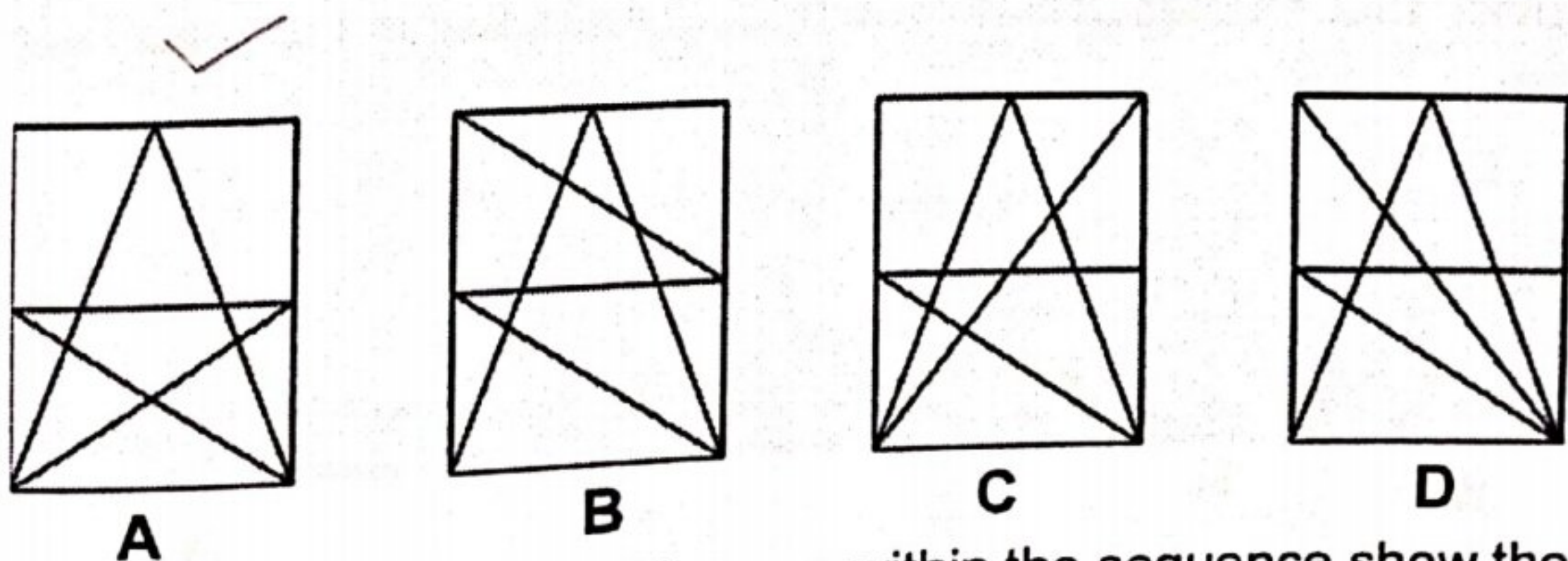
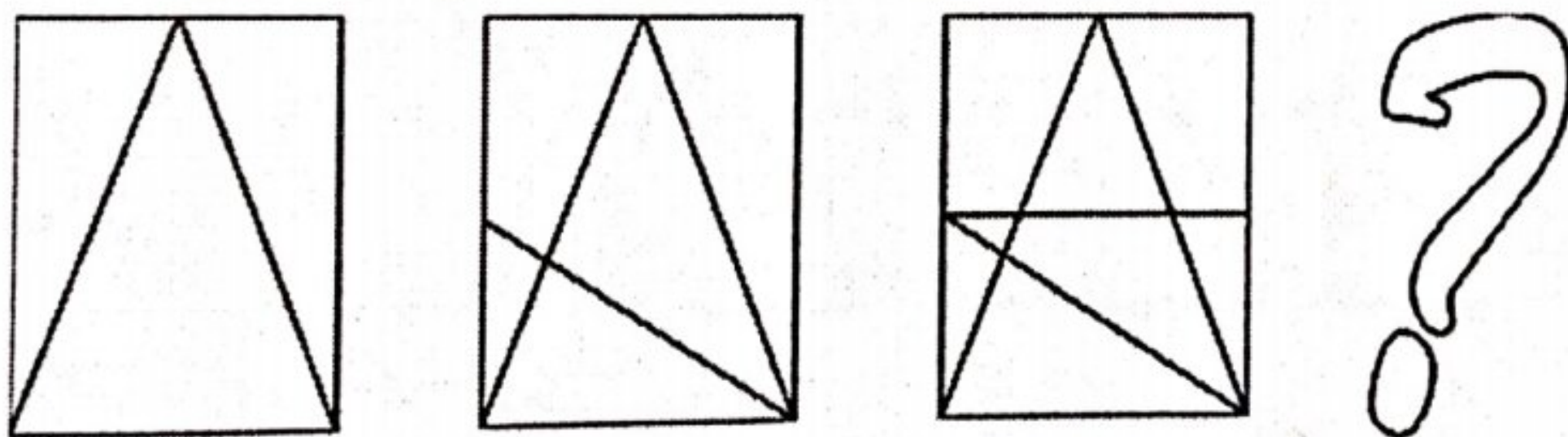
The answer is A, the striped box is moving up the grid as you move to the right, the last image is where the striped box is the third up the rectangle, the next answer therefore will be the image with the box in the 4th slot.

9. Choose the correct option to complete the series



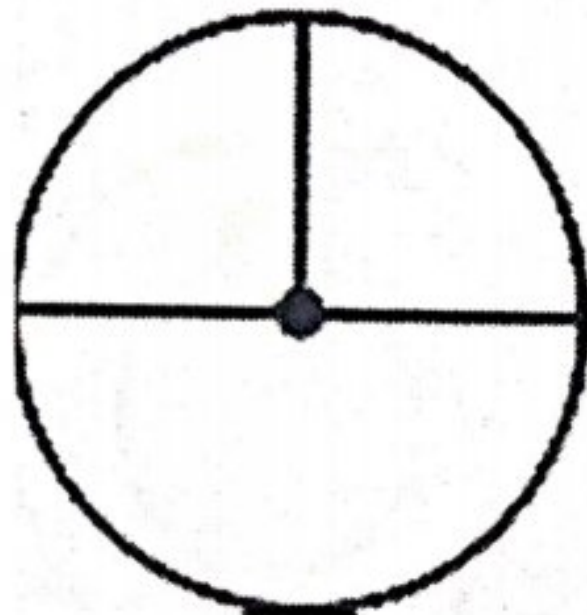
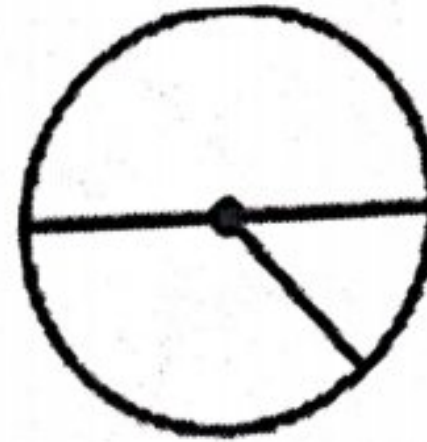
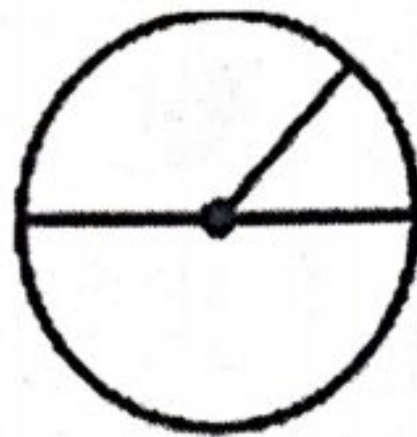
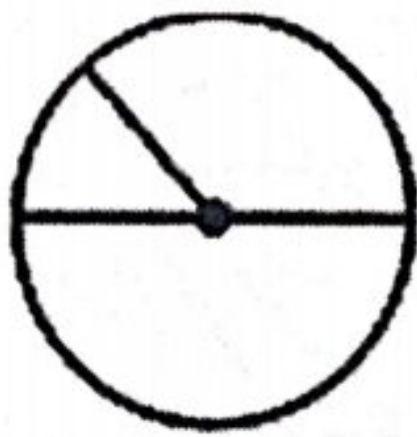
The answer is C, if you pair the alternating images together, you see that the smaller black sphere inside the target is reflected in its position. When looking at the answers, the only shape that has the same type of reflection is C

10. Choose the correct option to complete the series

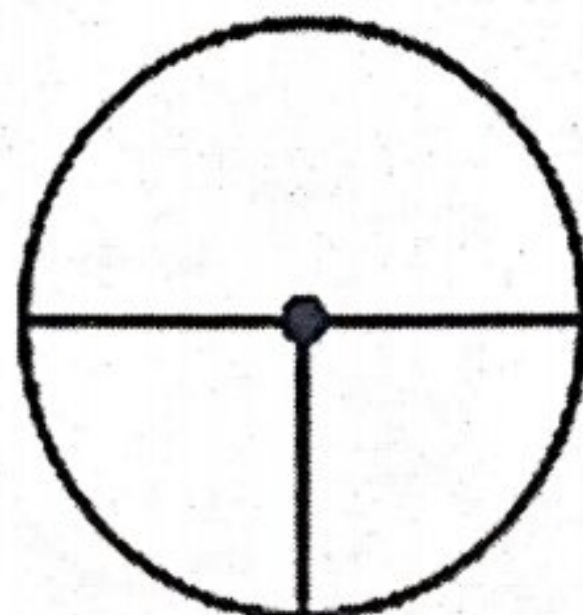


The answer is A, the progression of images within the sequence show the line moving to create a star image, establishing the creation of a symbol in the image sequence.

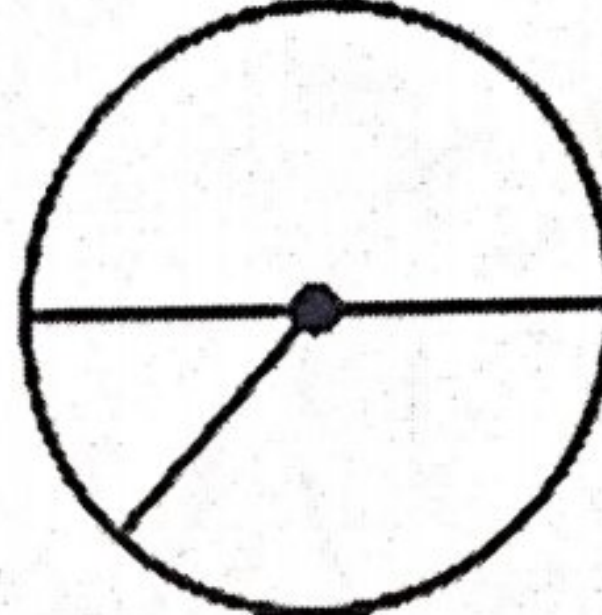
11. Choose the correct option to complete the series



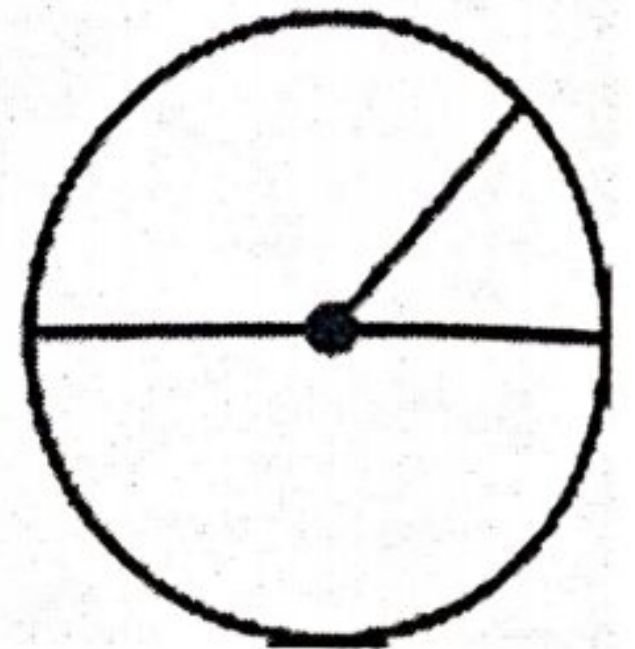
A



B



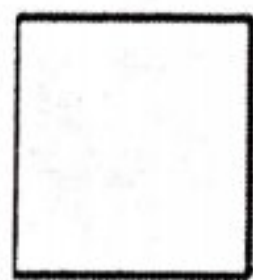
C



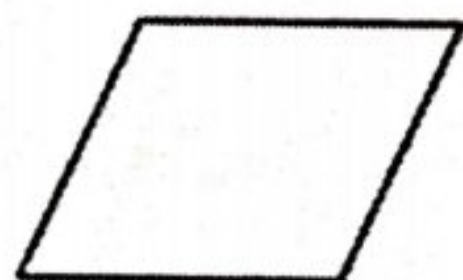
D

The answer is C, the first image and second image are reflections of one another, meaning the answer is a reflection of the third image, which is C.

12. Choose the odd one out



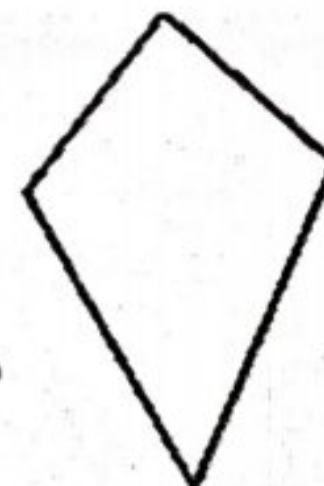
A



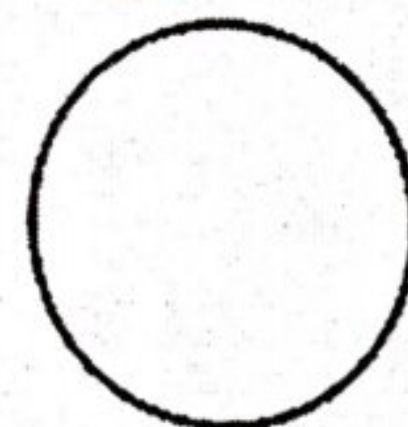
B



C



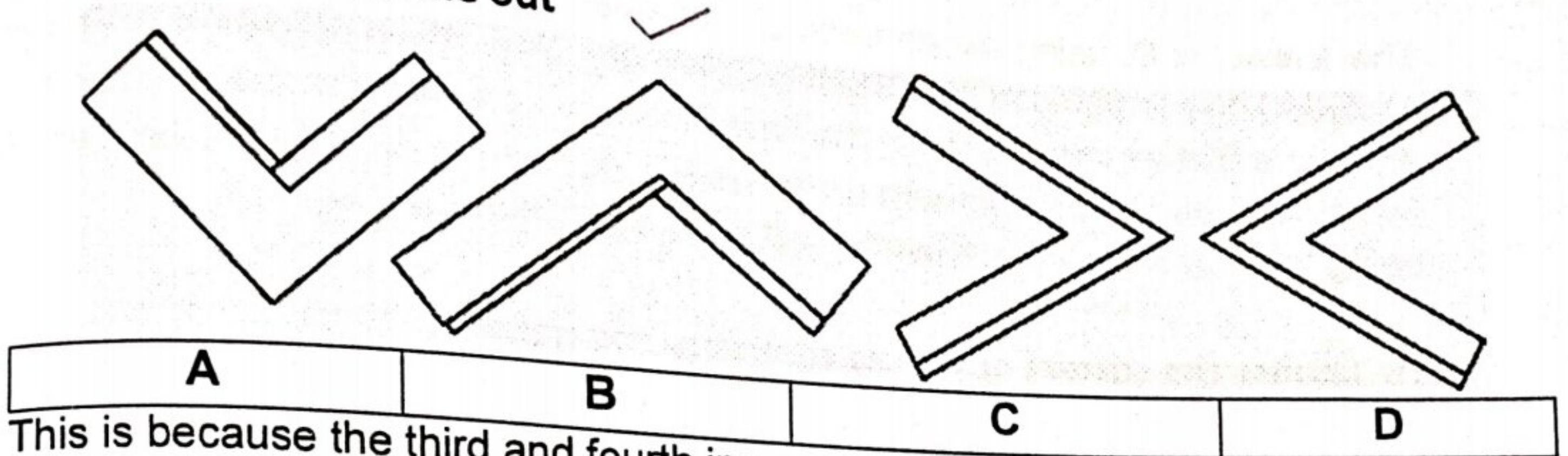
D



E

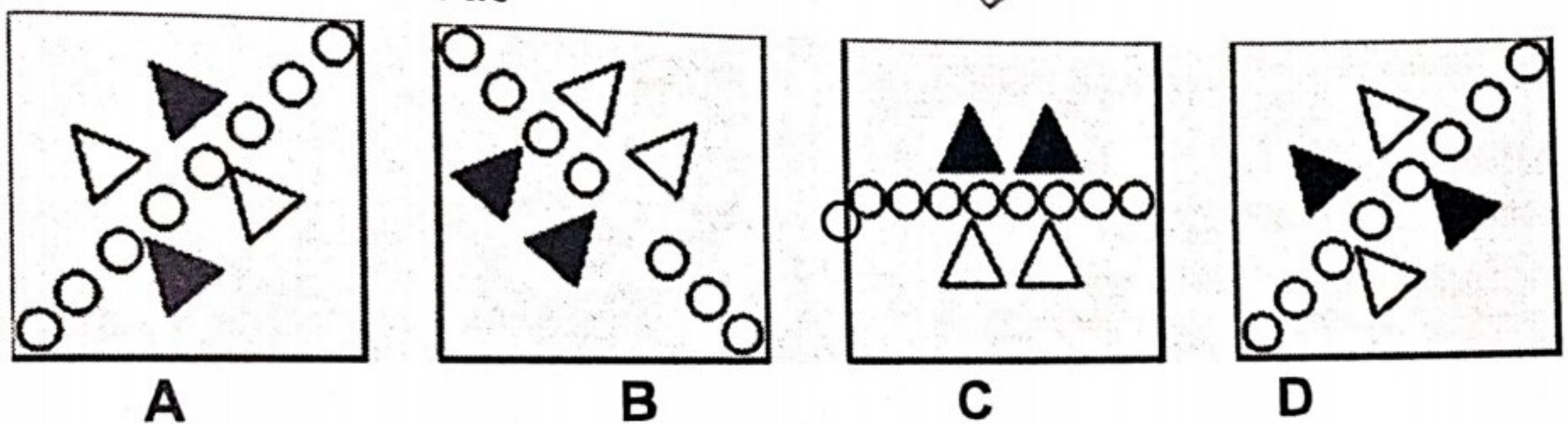
The answer is E. The odd one out is the circle for the first sequence of shapes, as the other four shapes are all four sided figures within the parallelogram and rhombus family.

13. Choose the odd one out



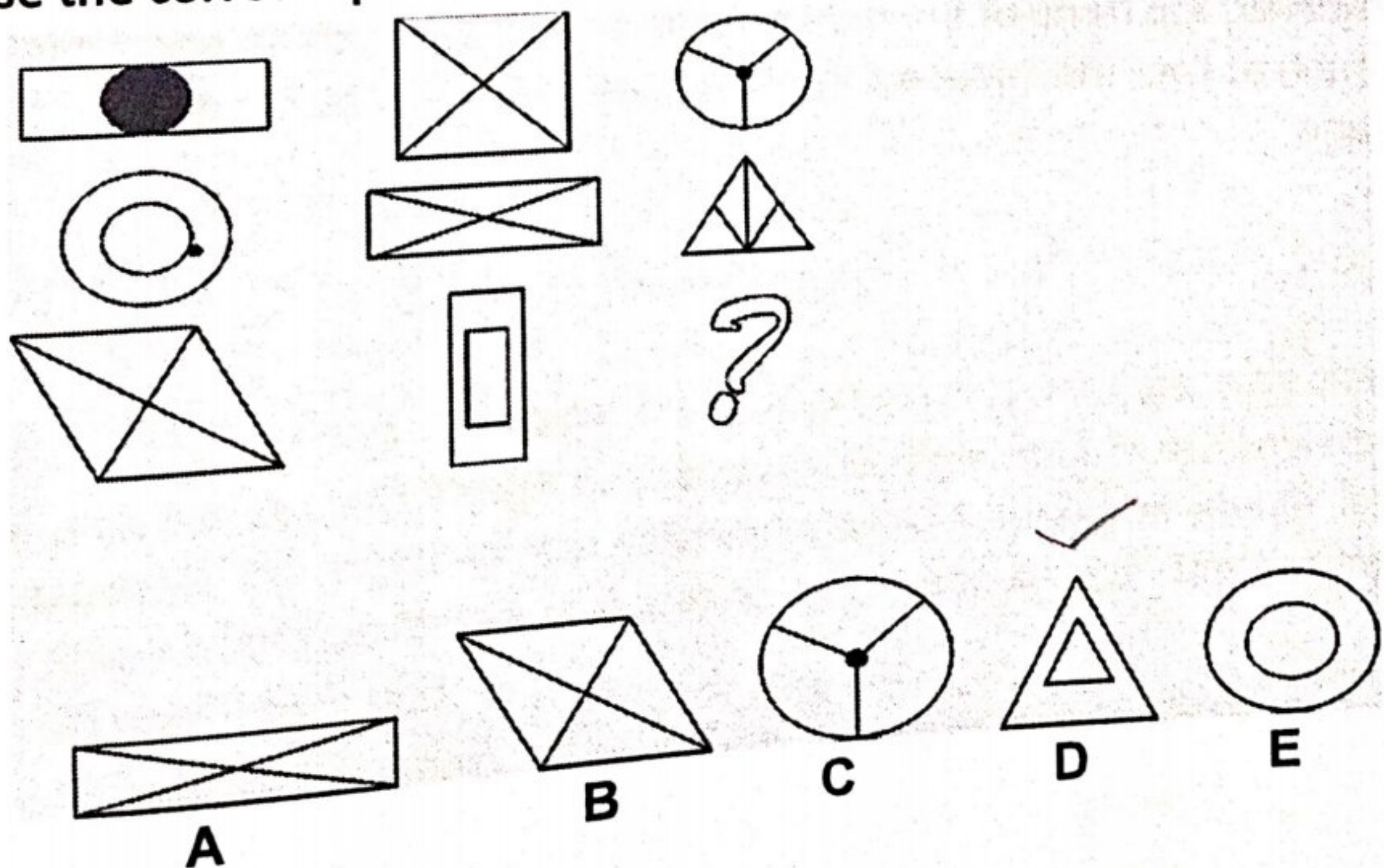
This is because the third and fourth images are shown to be reflections of each other and the same size, but the second image is larger than all the other ones and is asymmetrical, meaning it does not belong.

14. Choose the odd one out



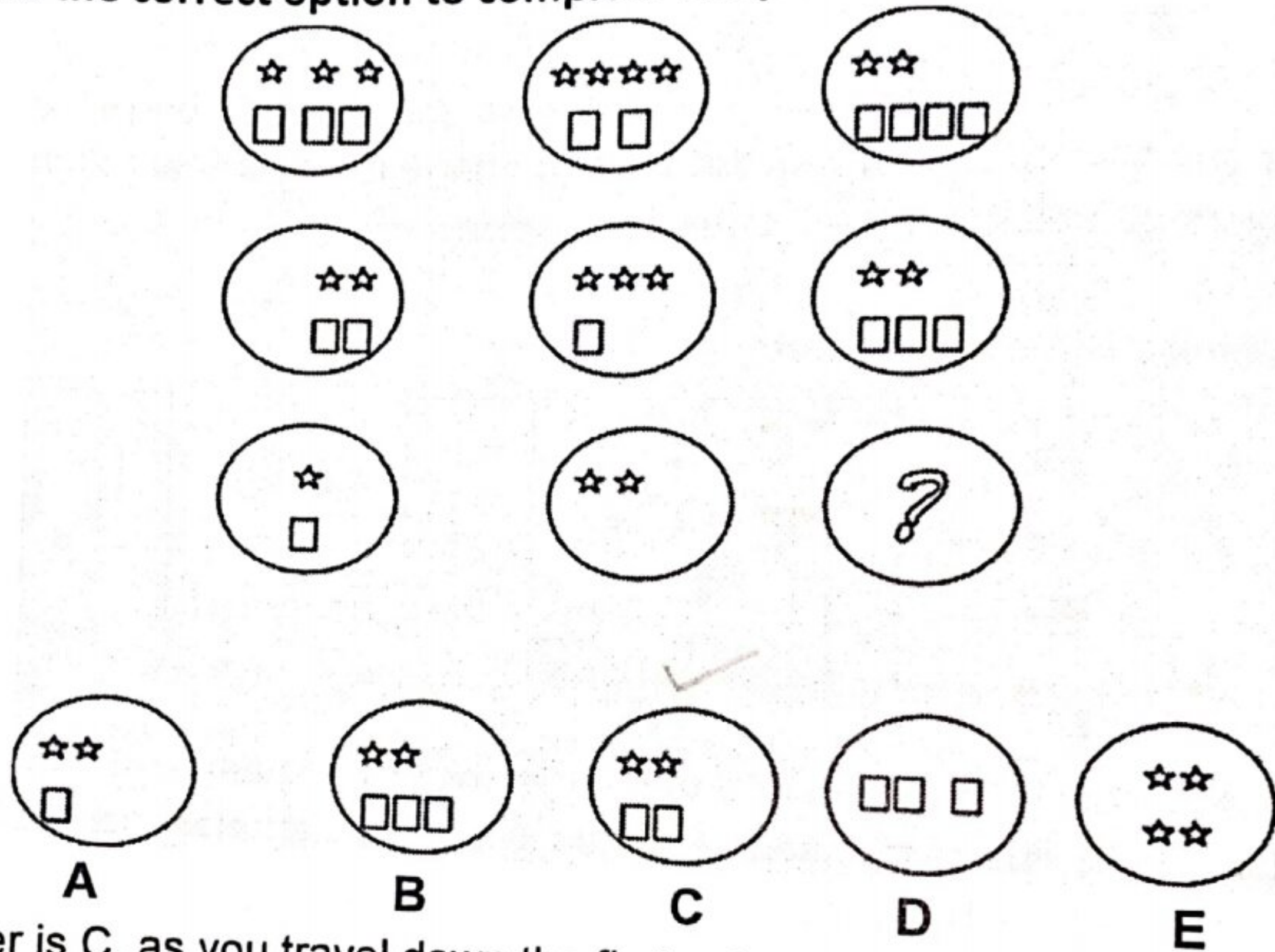
The answer is C. The odd one out in the second sequence of images is the third image, as the line comprised of circles is always diagonal and the line of circles in the third image is horizontal.

15. Choose the correct option to complete the pattern



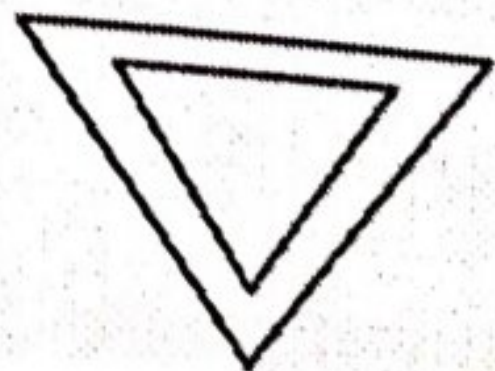
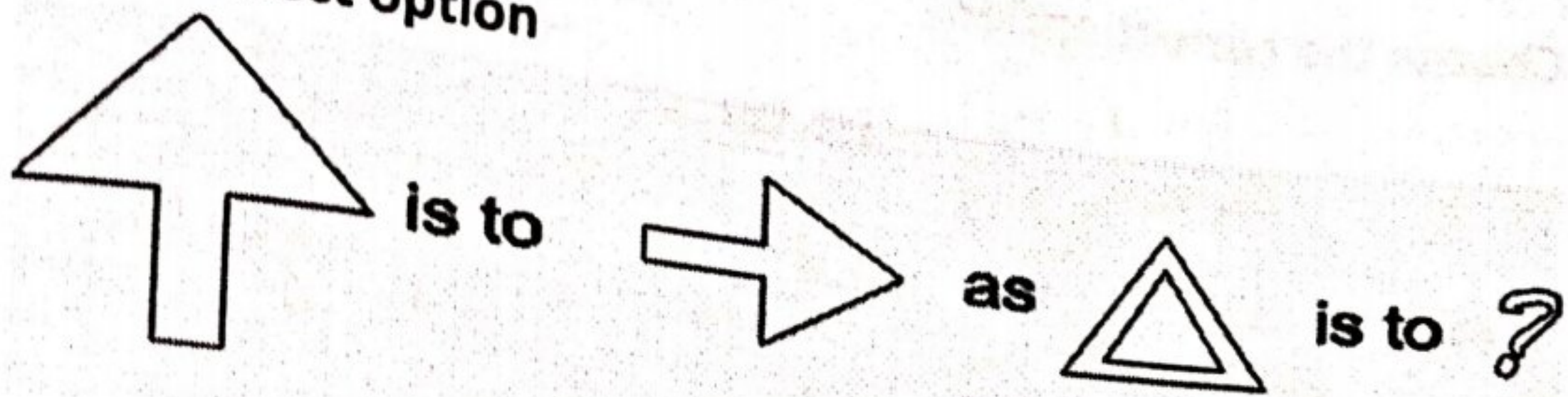
The answer is D, using the process of elimination, the first three images are excluded due to being in the Question all ready. The other indication of D being the answer is that all the shapes in the Question have pairs, there are two rectangles, two circles, and two squares (a rhombus is a square) leading to the only answer being the only shape that hasn't been paired yet, the triangle.

16. Choose the correct option to complete the pattern

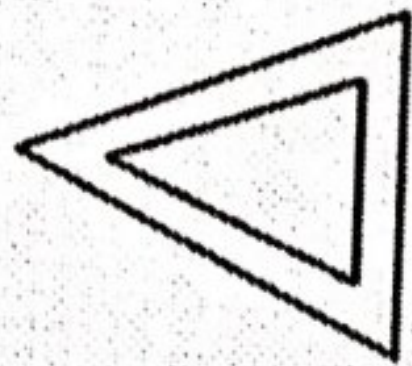


The answer is C, as you travel down the first column of circles, the rectangles in the circles decrease by one from the top row to the bottom row. However, the trend of the third column shows the stars in each circle per row remain at two, this means the answer will have two rectangles and two stars in its image.

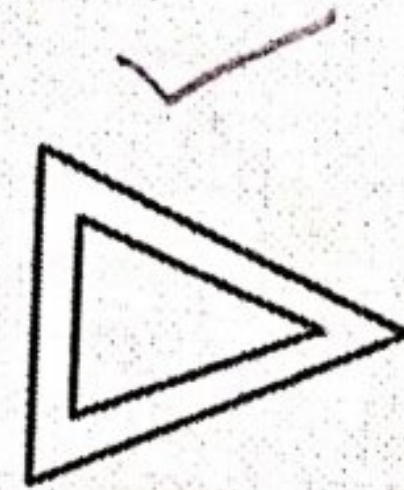
17. Choose the correct option



A



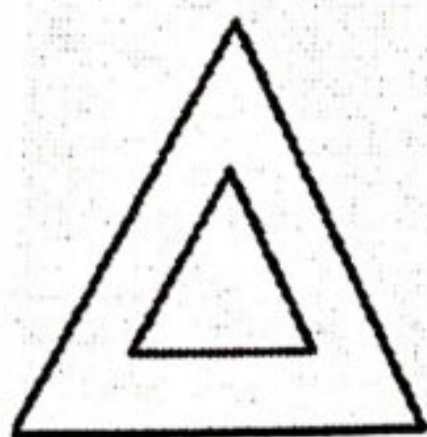
B



C

The answer is C, Looking at the example image you see the same image being shifted into a different orientation. This means the same action will be applied to the third image to give us our answer, which is the same shift in orientation to our image. This is C.

18. Choose the correct option



A



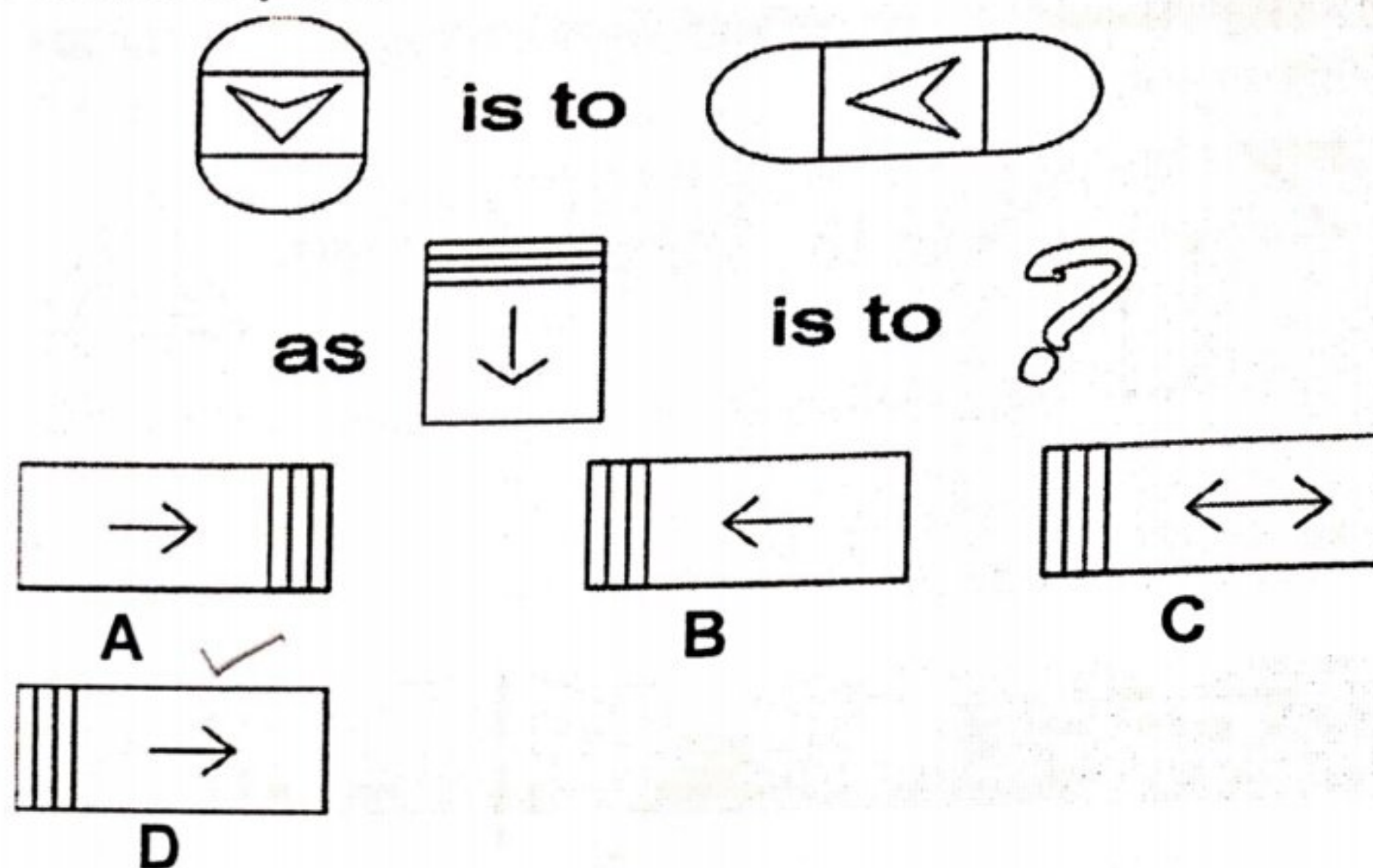
B



C

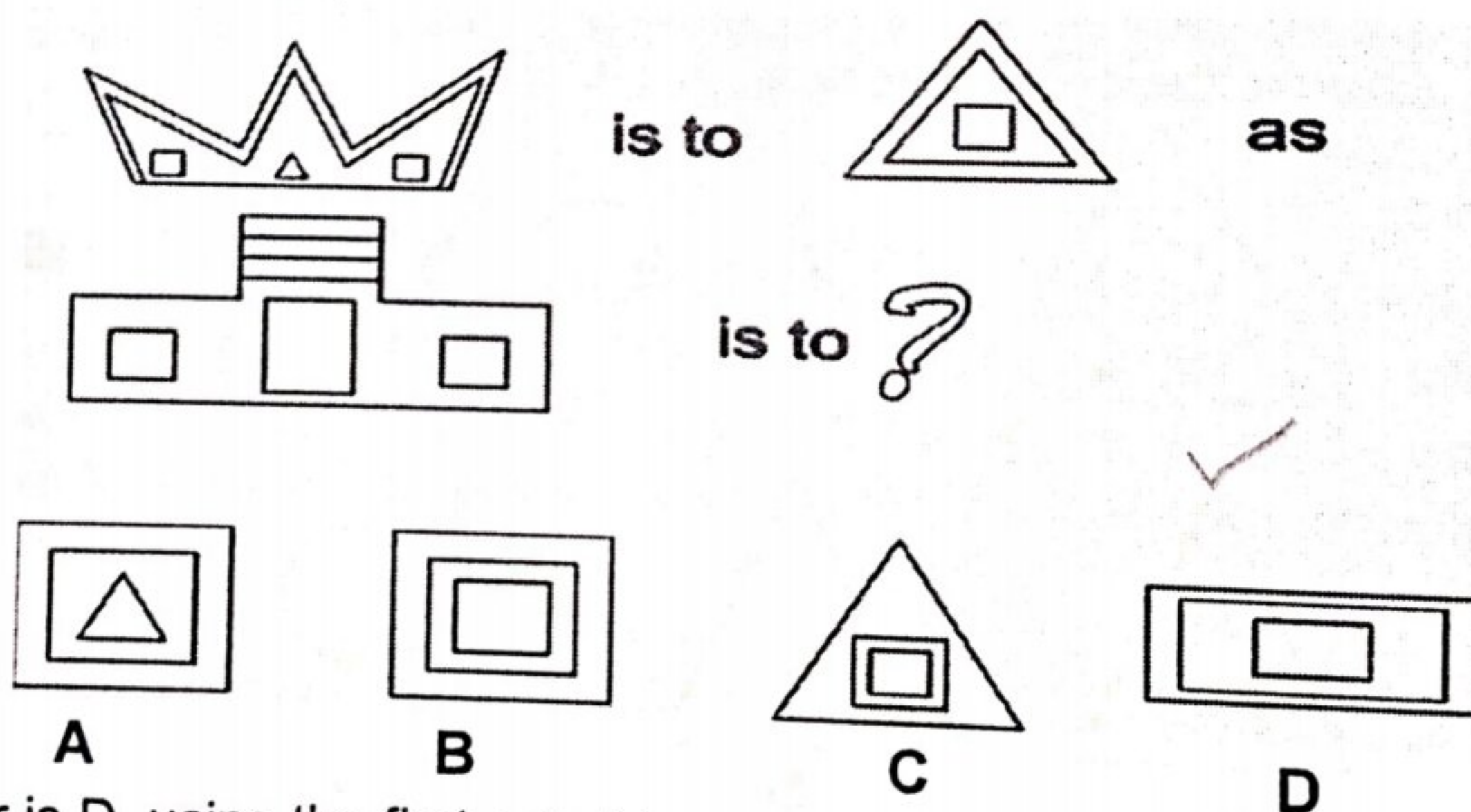
The answer is B, Looking at image 1 and 2 you see a triangle with many circles inside of it, but the second image is only a circle. This means the relation between the two images is the inside of the external shape. Looking at image 3 there is a circle with many triangles inside of it, following the same logic, the answer must be a singular triangle which is B.

19. Choose the correct option



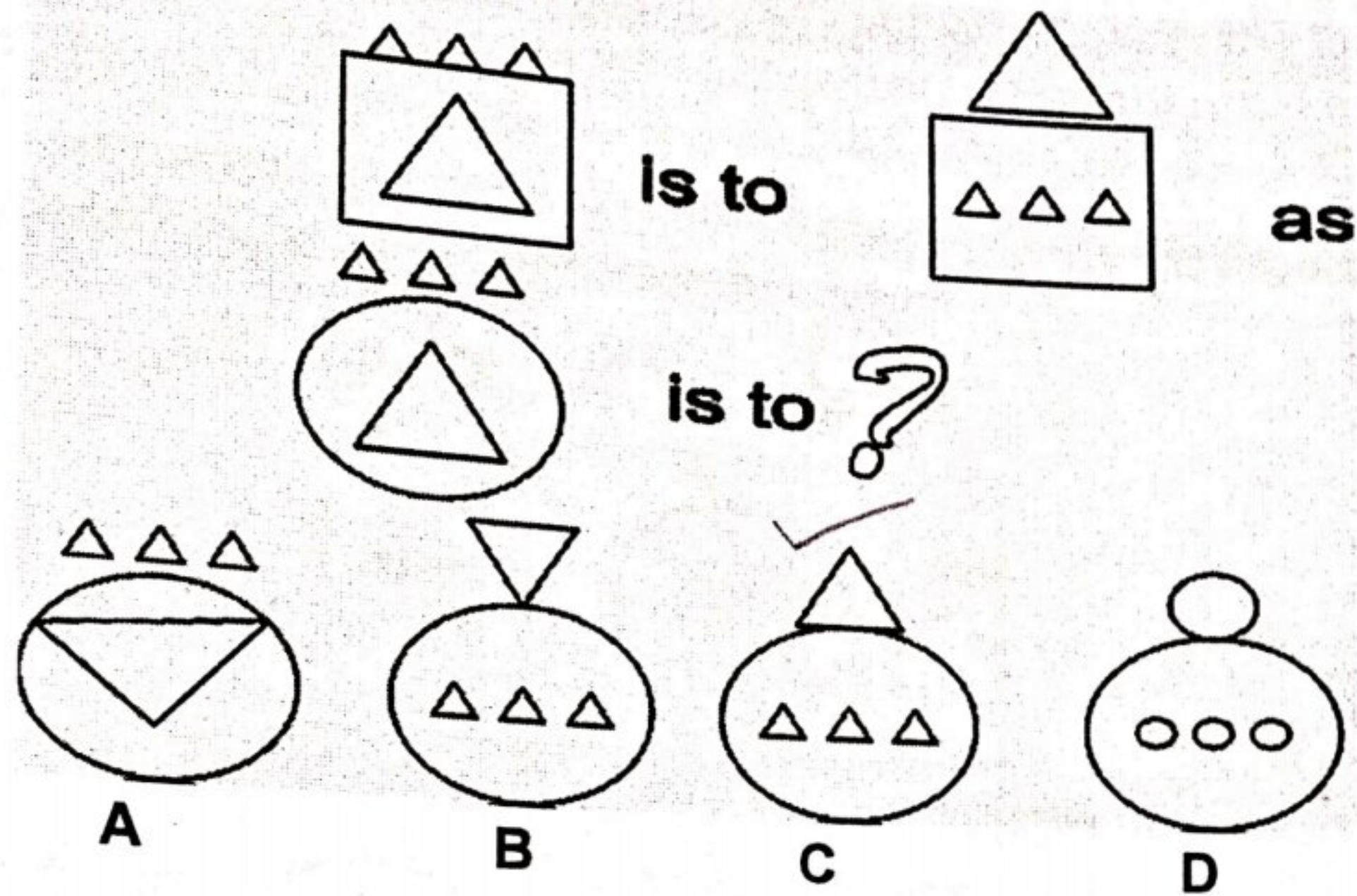
The answer is D, Looking at the example it shows that the orientation of the shape was turned from vertical to horizontal, but the image itself did not change, this means that the image for the solution must have a horizontal orientation and the image cannot change, this leaves only answer D.

20. Choose the correct option



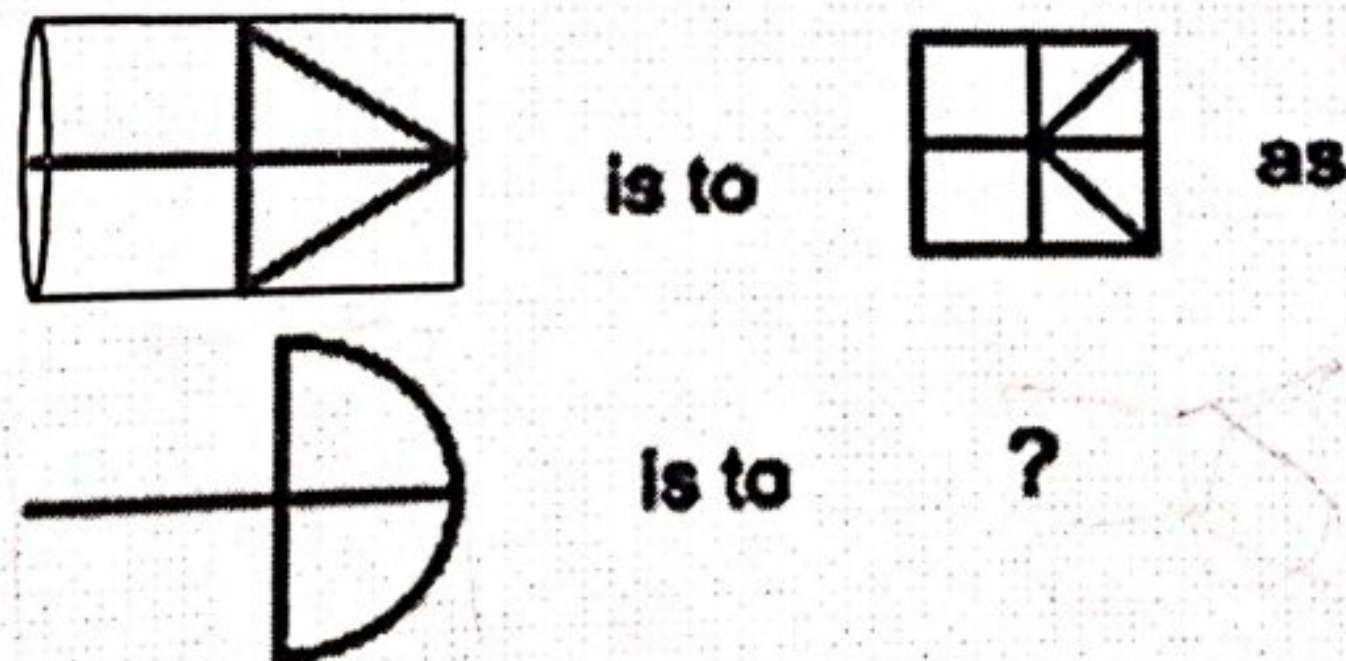
The answer is D, using the first set of images as examples, the pattern displays the use of the most common image (triangles) with the least common (square). Meaning the triangles which were the most common image, outline the least common shape which is the square. This means the answer for the other image would be the use of the most common shape which is rectangle to outline the least common shape, the square. The only answer with this image is D.

21. Choose the correct option

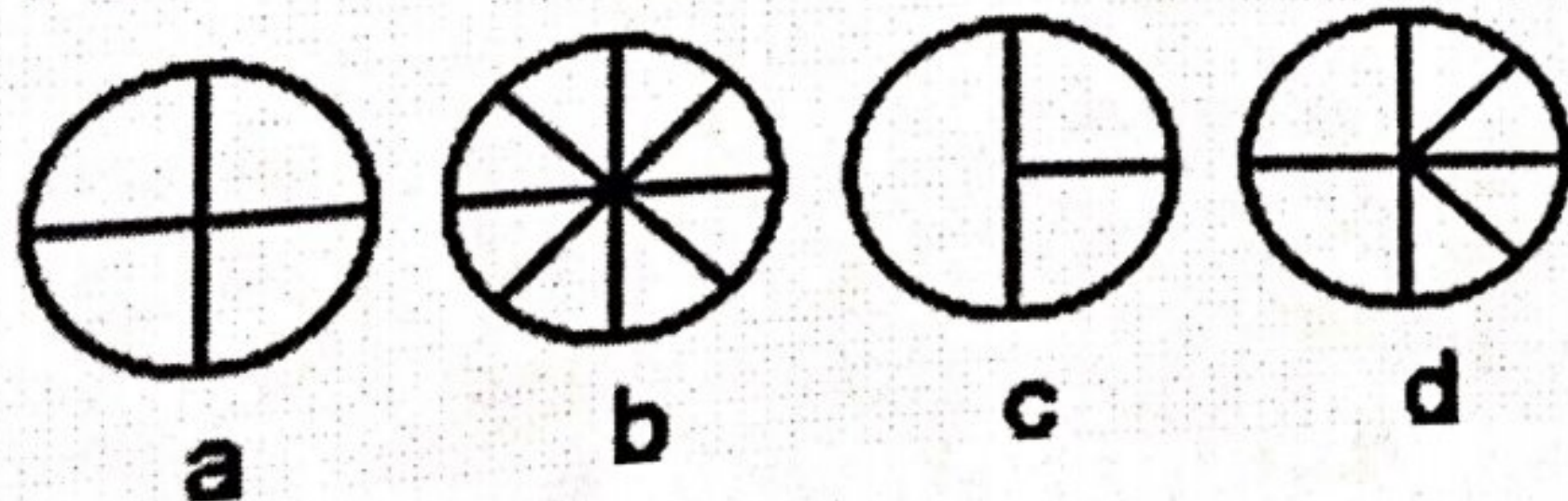


The answer is C, the first image shows a triangle inside a square with three triangles on the top of the square, the second image shows the switching of the large triangle inside the square with the three smaller triangles outside the square. Therefore, the third image which shows a triangle inside a large circle with three smaller triangles on the top outside of the circle, the solution will have the positions of the large triangle inside the circle switched positions with the three smaller triangles on top of the circle, which is C.

22. Choose the correct option

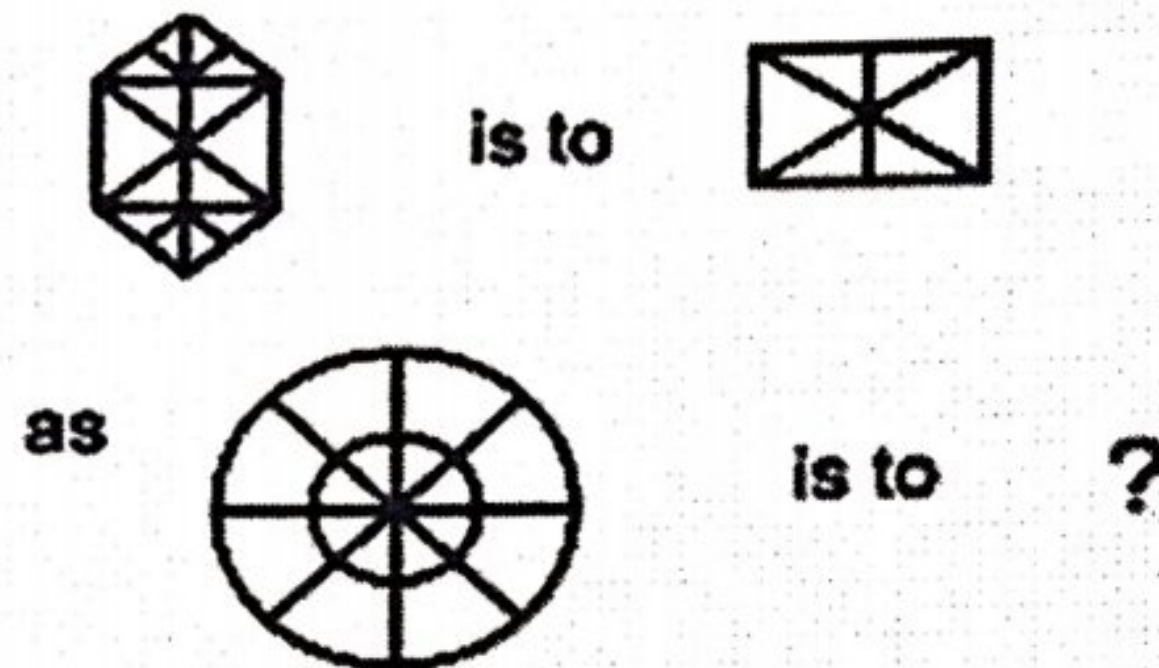


Answer:-

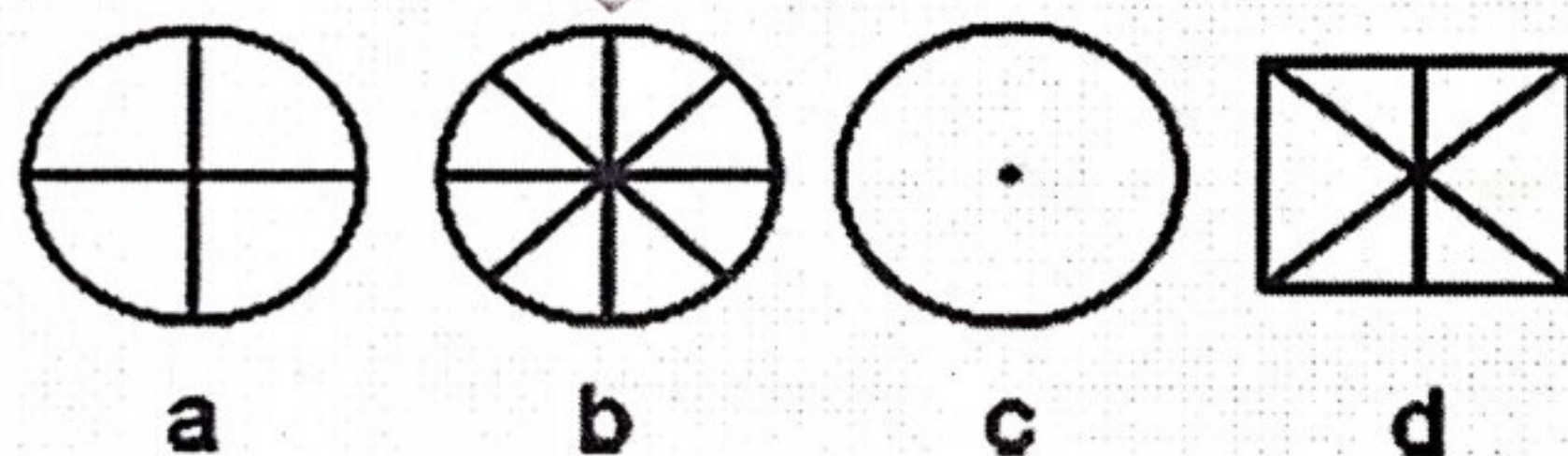


The answer is D, when looking at the first image and seeing the orientation of the square of the second image, the solution contain the shape presented in the third image but in the same orientation of the second image, this is D.

23. Choose the correct option



Answer:-



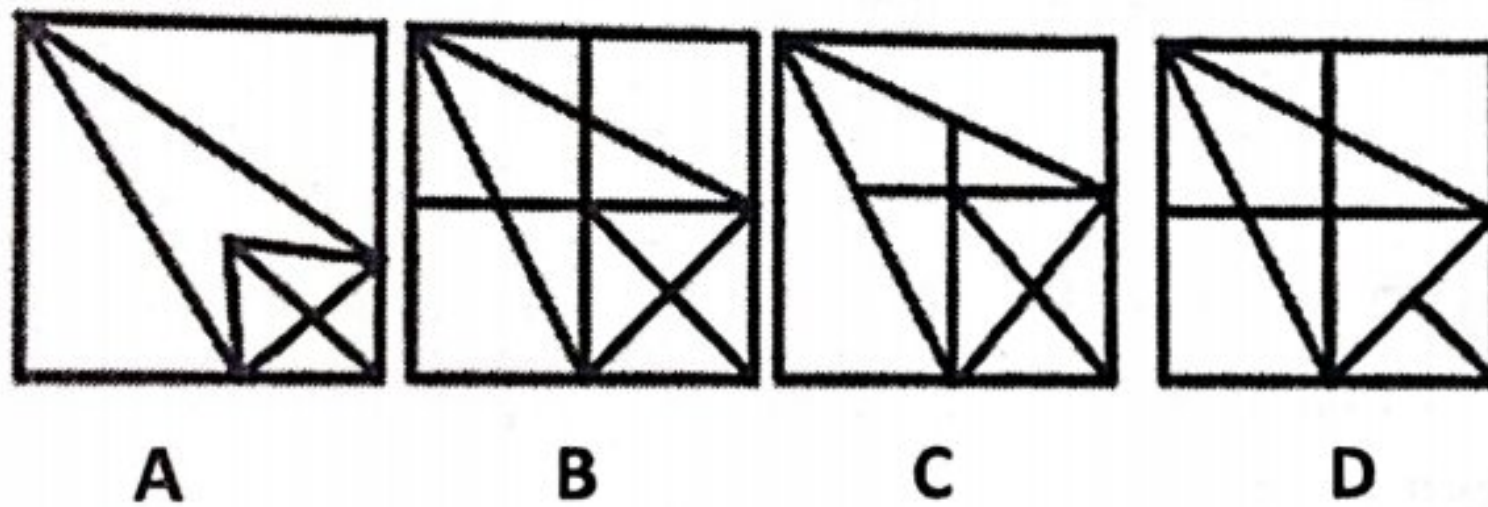
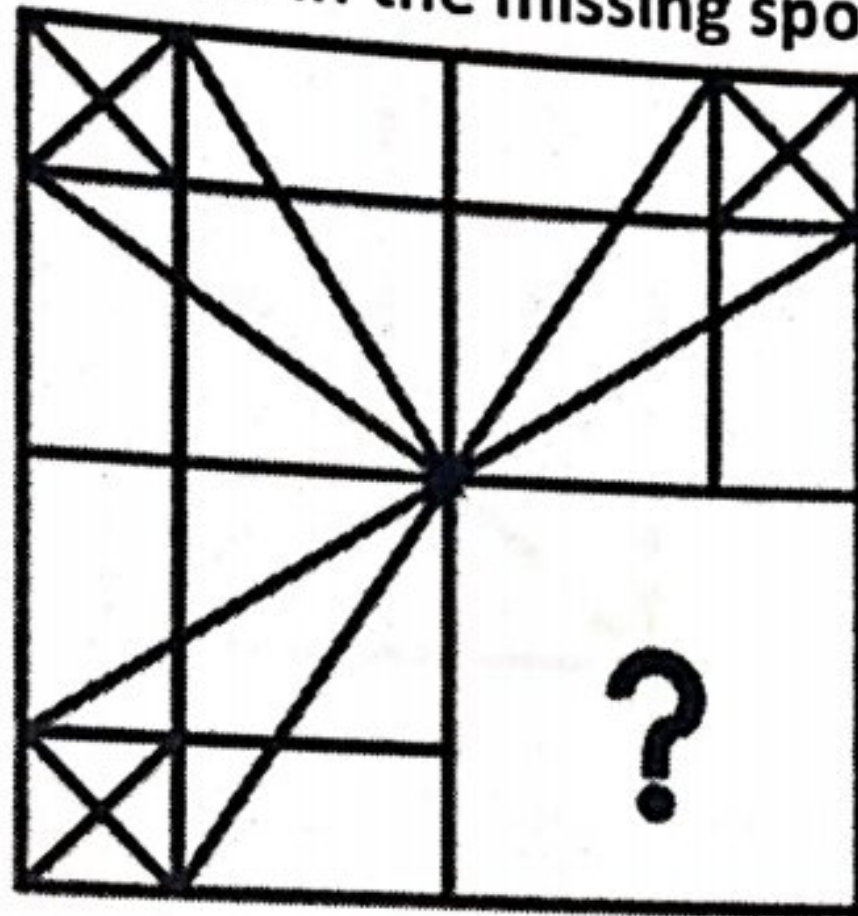
The answer is B, the first image shows a rectangle with intersecting lines that is contained within a hexagram, the second image removes the hexagram and leaves the rectangle inside the shape. The rectangle still maintains all of the lines that were intersecting it for both images. This means the solution is obtained when removing the outside shape that contains another shape. The third image shows a smaller circle surrounded by another larger circle, seeing at the lines inside the smaller shape are maintained when the outer shape is taken outside of the solution, the same number of lines will be present in the answer containing the smaller shape, this would be answer B.

PMA LONG COURSE PRACTICE TEST 2

Non-VERBAL INTELLIGENCE TEST

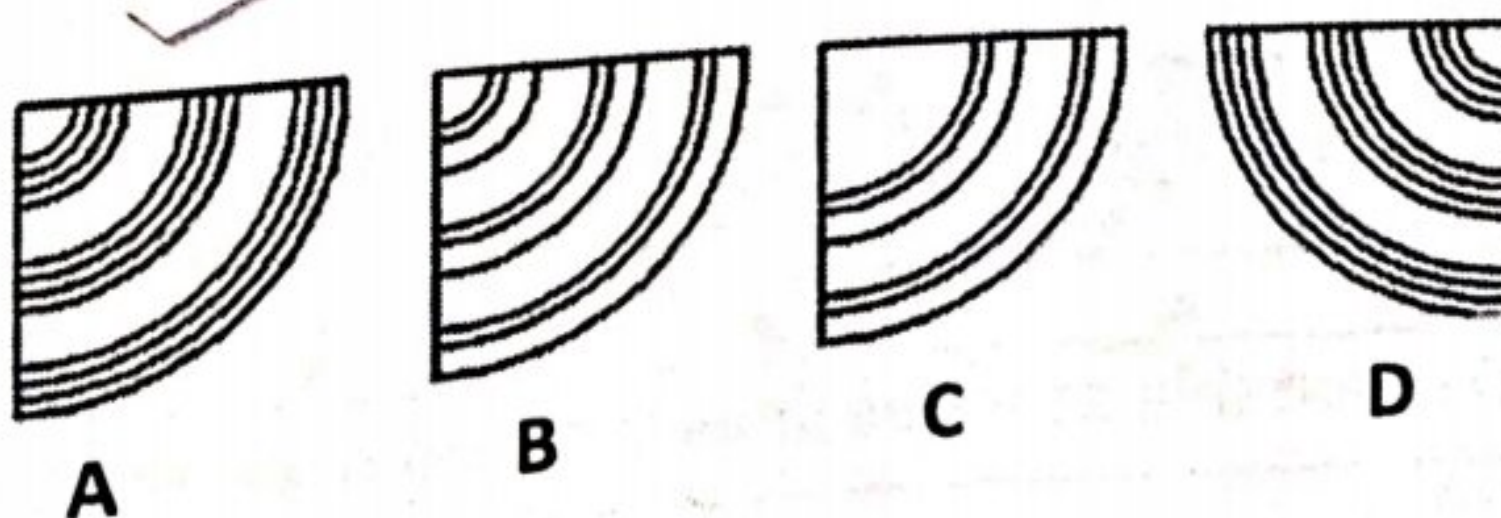
Attempt the following test to practice nonverbal intelligence questions. To practice hundreds of further questions visit tabir.pk

1. Choose the correct option to fill in the missing spot



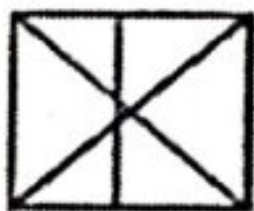
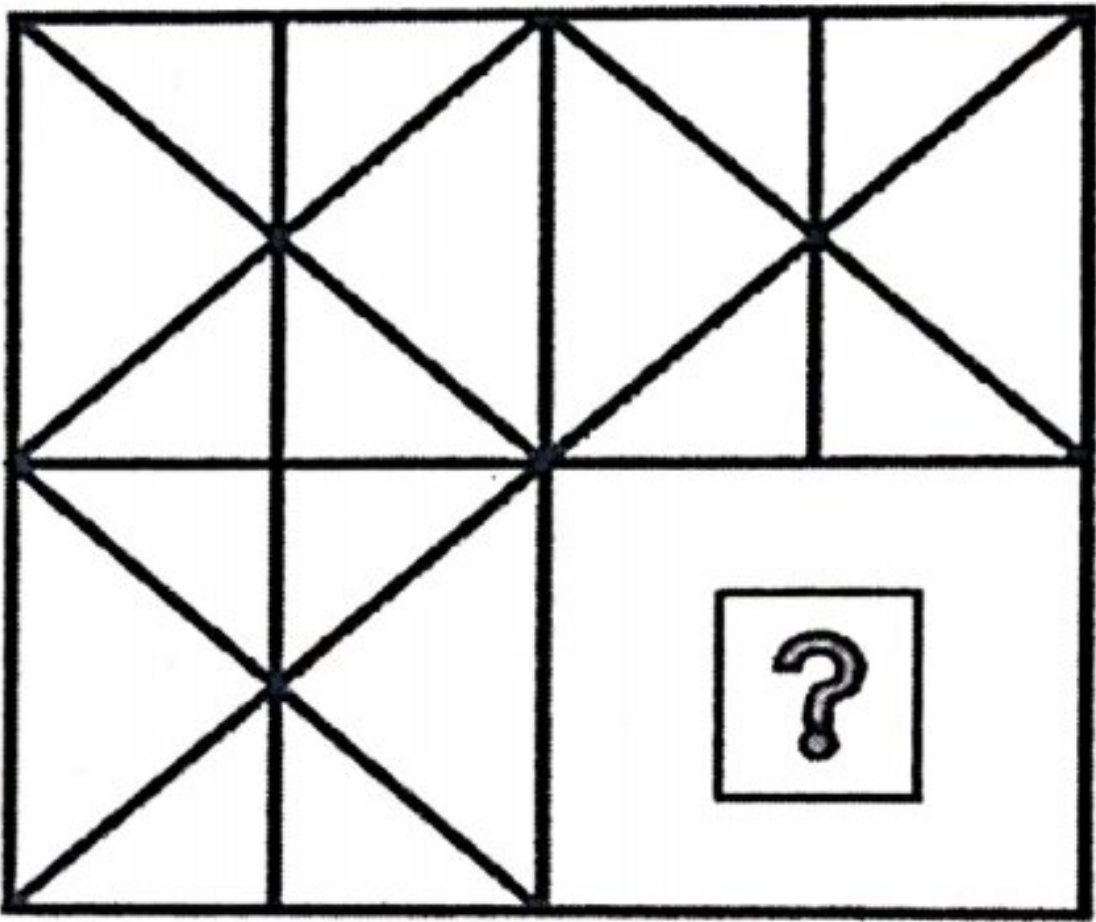
B	Examine the pattern to meet the requirement.
---	--

2. Choose the correct option to fill in the missing spot

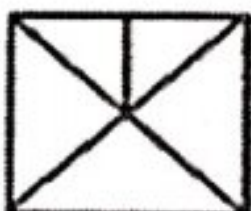


A	Choice A completes the parent pattern. Each group has 4 circles
---	---

3. Choose the correct option to fill in the missing spot



A



B



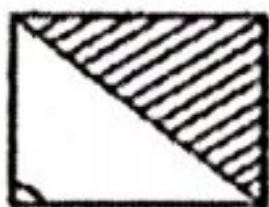
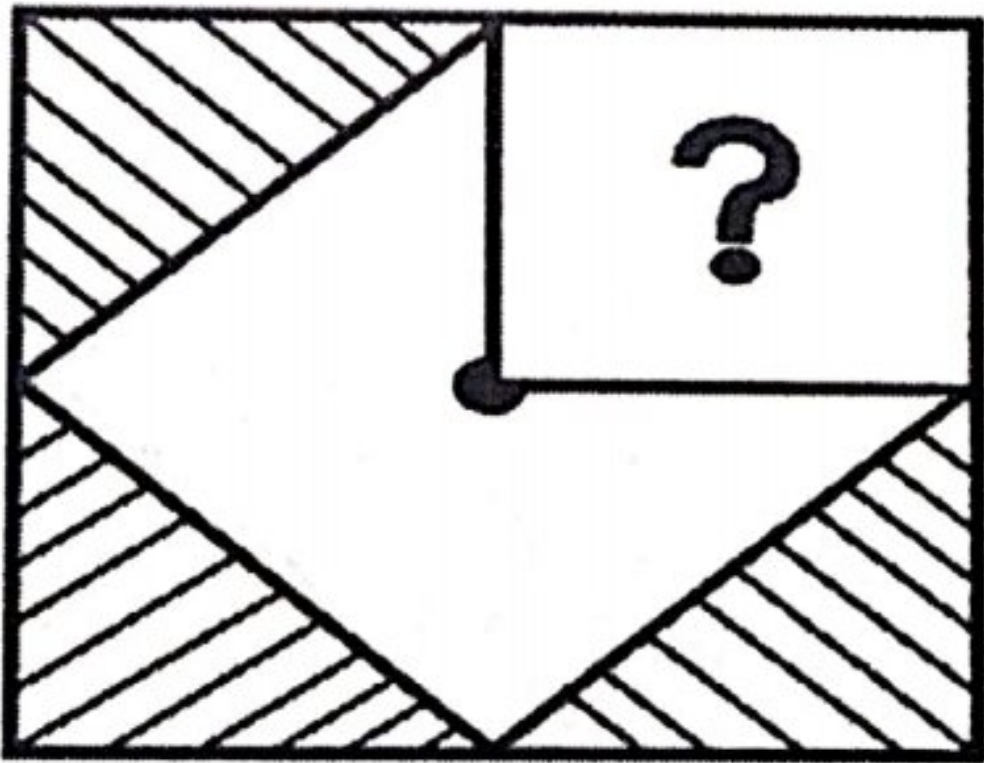
C



D

C	Choice C completes the parent pattern. Each of the smaller square has two diagonals with a vertical line passing through the intersection of these diagonals.
---	---

4. Choose the correct option to fill in the missing spot



A



B



C

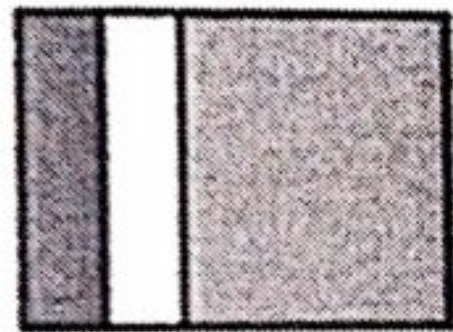
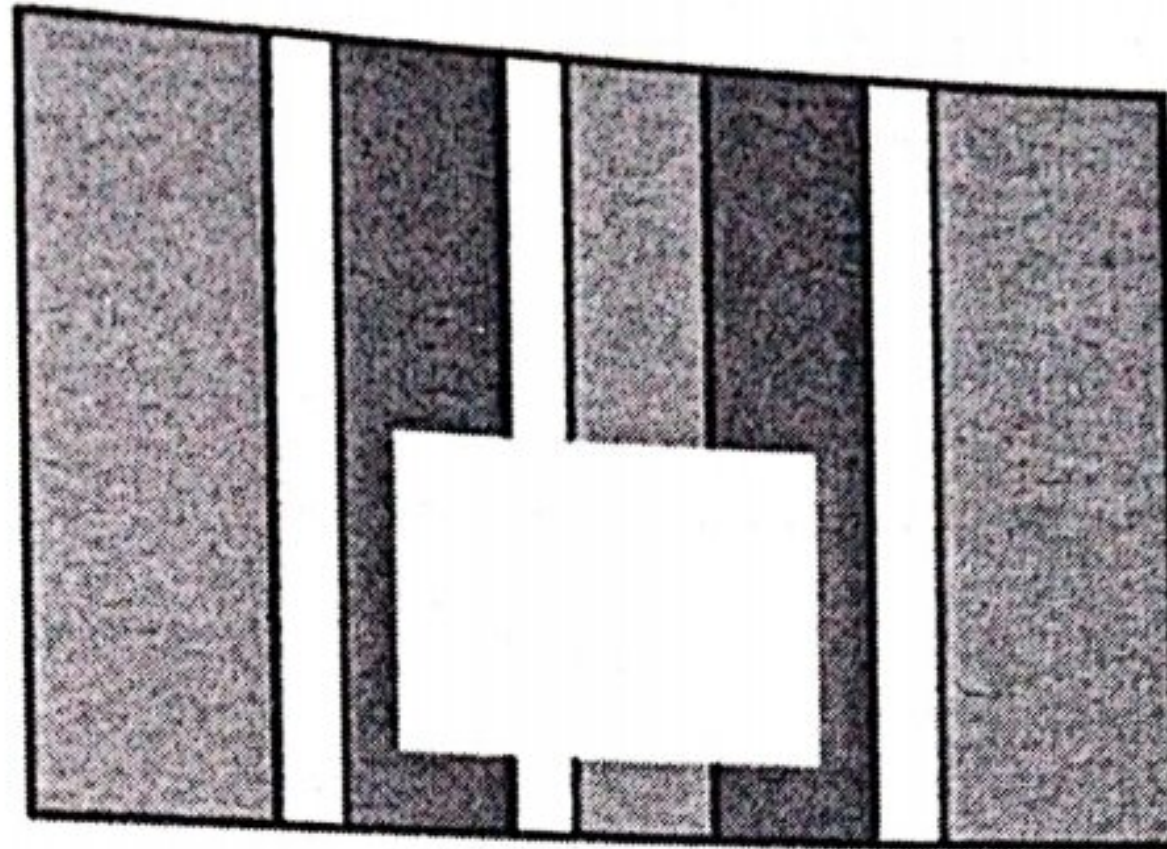


D

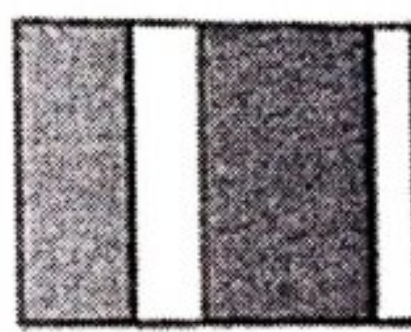
D	D is suitable as it has lines inclined from right to left. It also
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contains a filled sector to complete the filled circle.

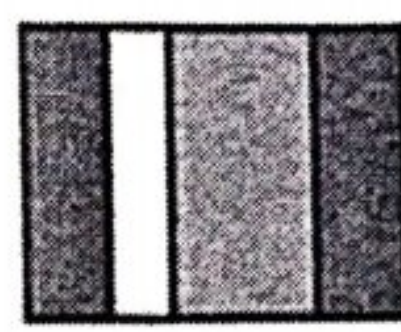
5. Choose the correct option to fill in the missing spot



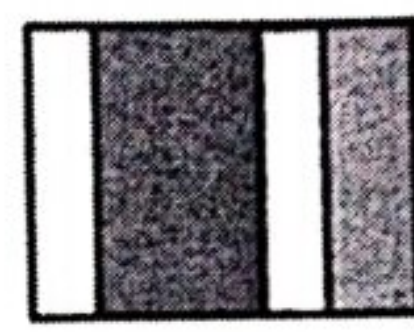
A



B



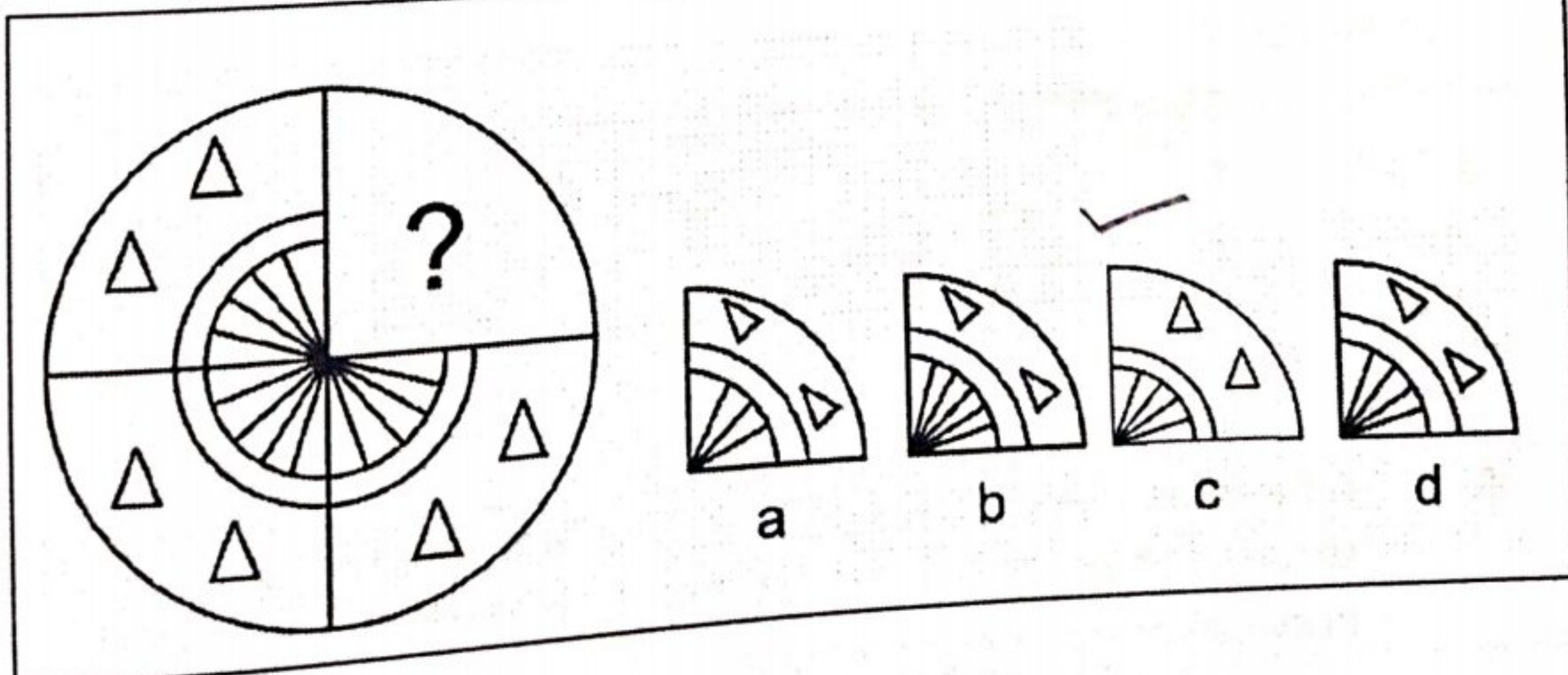
C



D

- C C is best choice. The colour changes from dark grey to white to light grey and then again to dark grey.

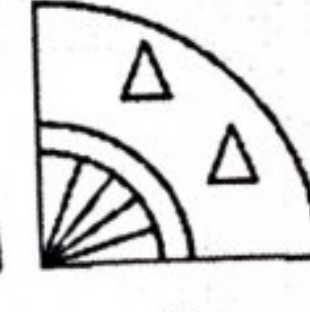
6. Choose the correct option to fill in the missing spot



a



b



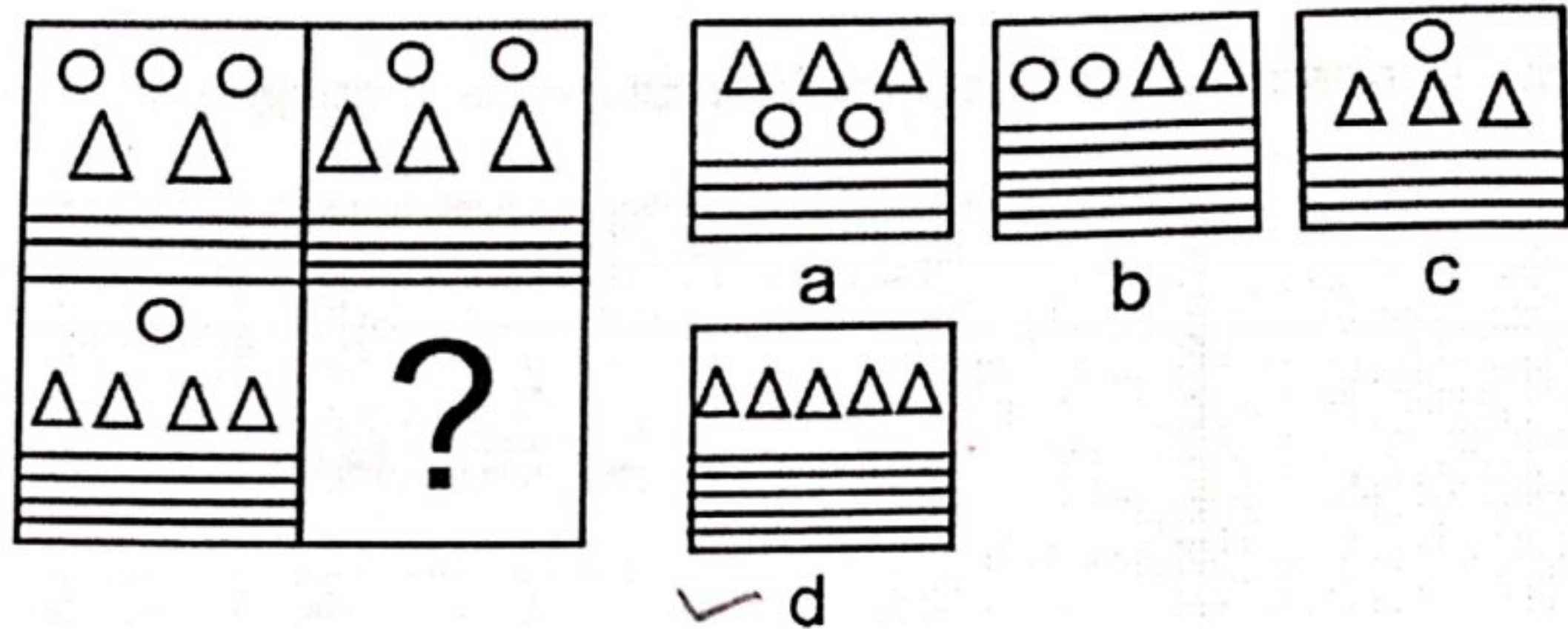
c



d

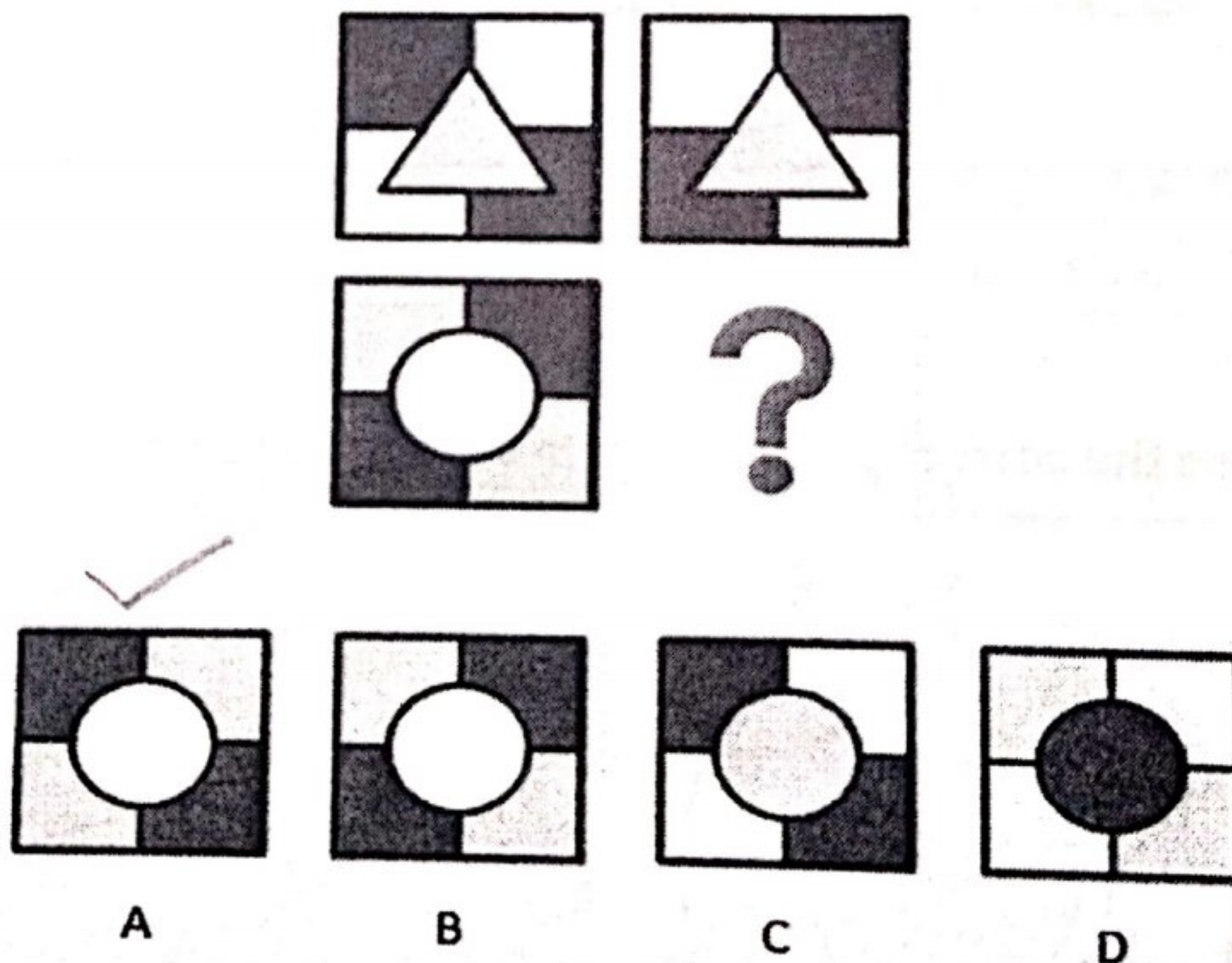
The answer is C.

7. Choose the correct option to complete the series



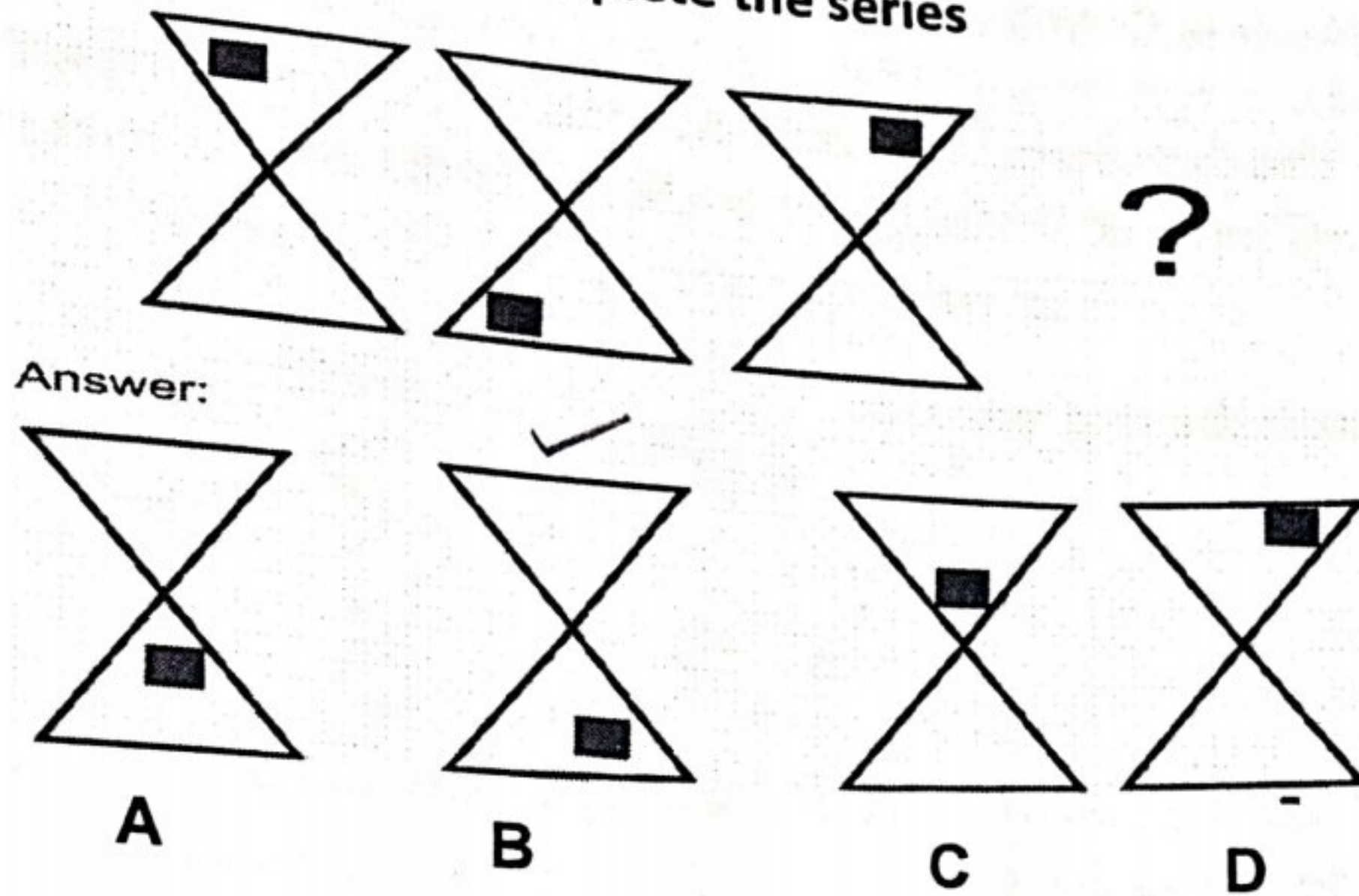
The answer is D. When following the sequence of images from left to right, you see that the amount of circles decreases by one with each new section, while the bottom level of rectangles and the amount of triangles increases. This means that the only solution can be D.

8. Choose the correct option to complete the series



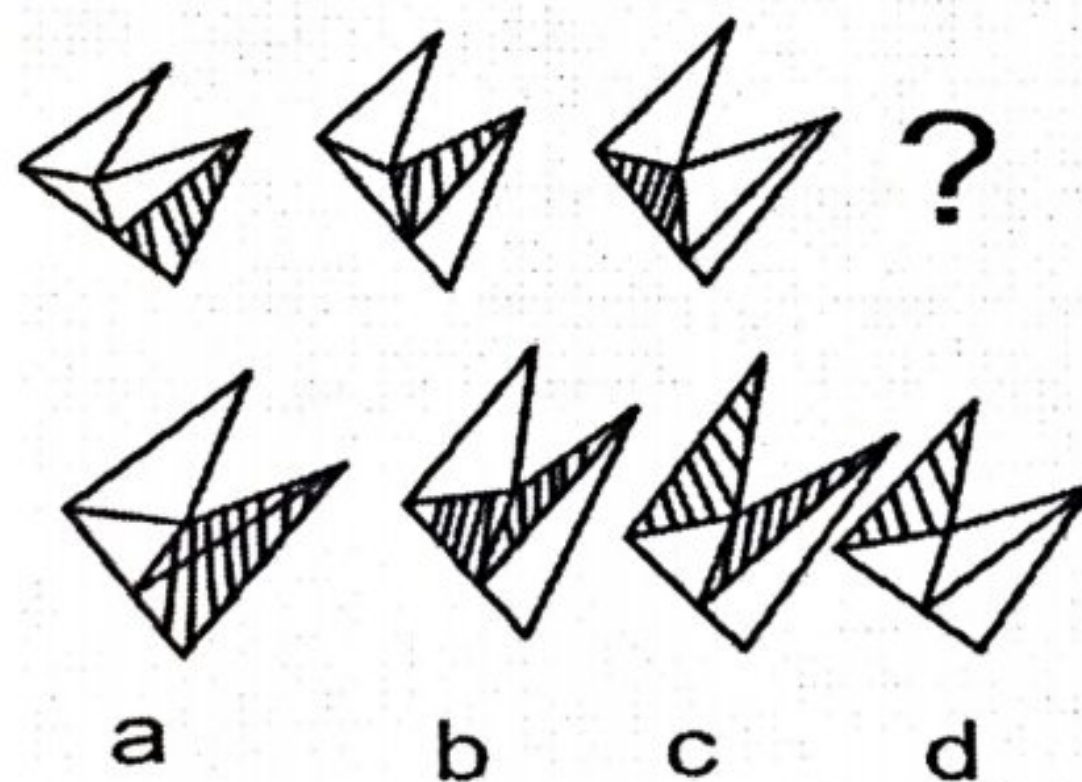
A	A best fits the parent figure. In the first diagram pair only the white squares change their places. Similarly in the second diagram pair the light grey colour changes its place
---	---

9. Choose the correct option to complete the series



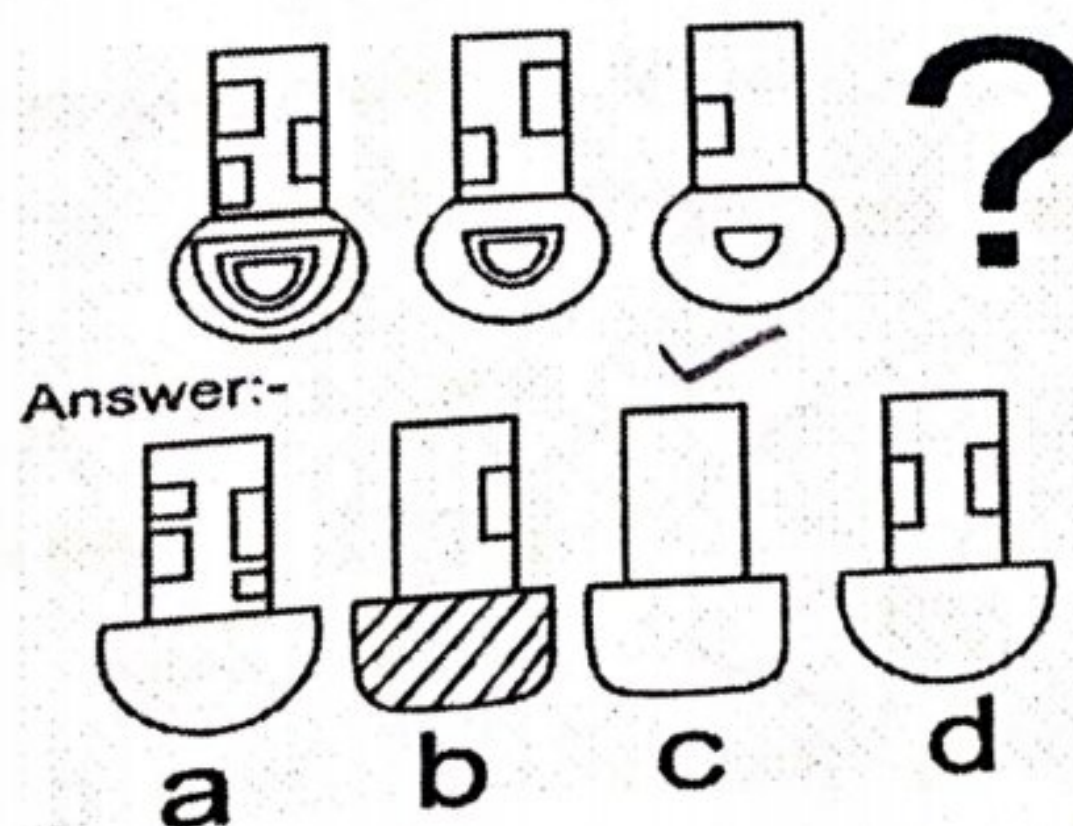
The answer is B, images 1 and 3 are reflections of each other, meaning that the solution to this problem will be a reflection of image 2, which is b.

10. Choose the correct option to complete the series



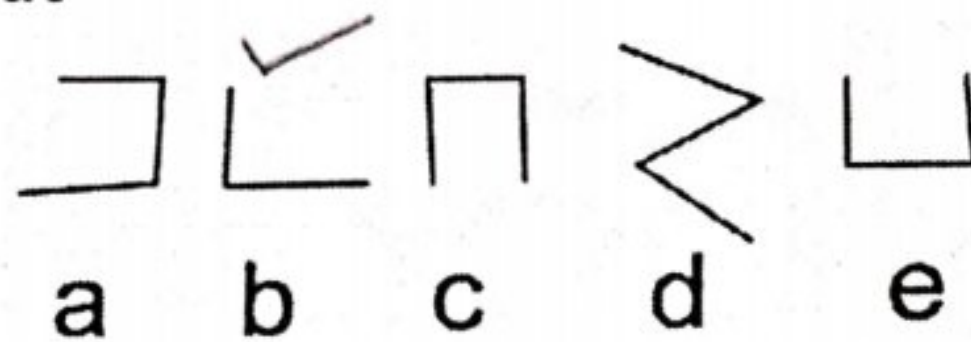
The answer is D, the sequence of images from the left to right side shows the striped section of the image moving to the next triangle in its way to the left. It does not cover more than one triangle so this means it will only take over the next triangle to its left from the last image the only image with one triangle filled in and to the left is image D.

11. Choose the correct option to complete the series



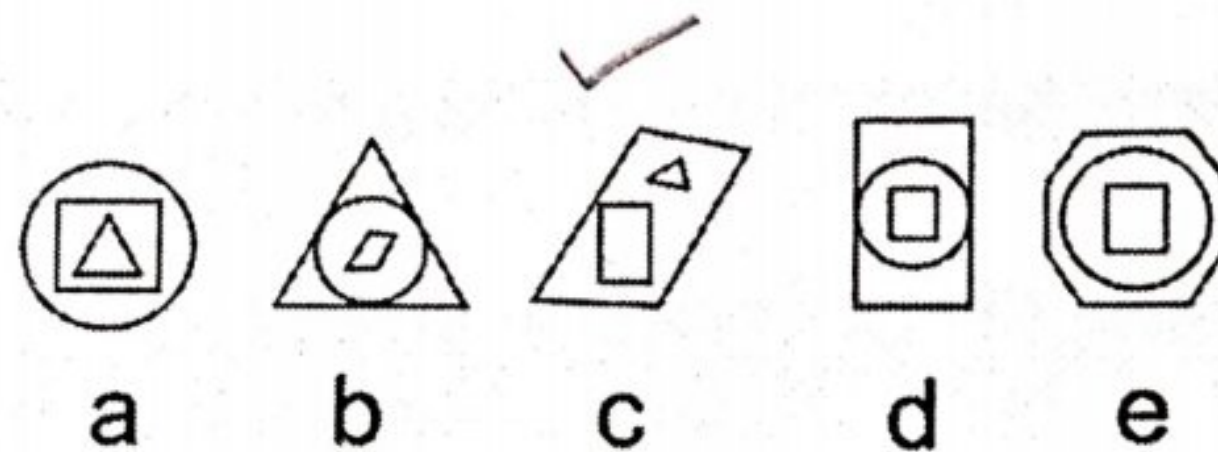
The answer is C. In the sequence of images moving from left to right, you see with each new image on the right, a circle and a rectangle disappear with each new image. The last image showed one circle and one rectangle this means the next image will have no rectangle or circle. The only answer with that criteria is C.

12. Choose the odd one out



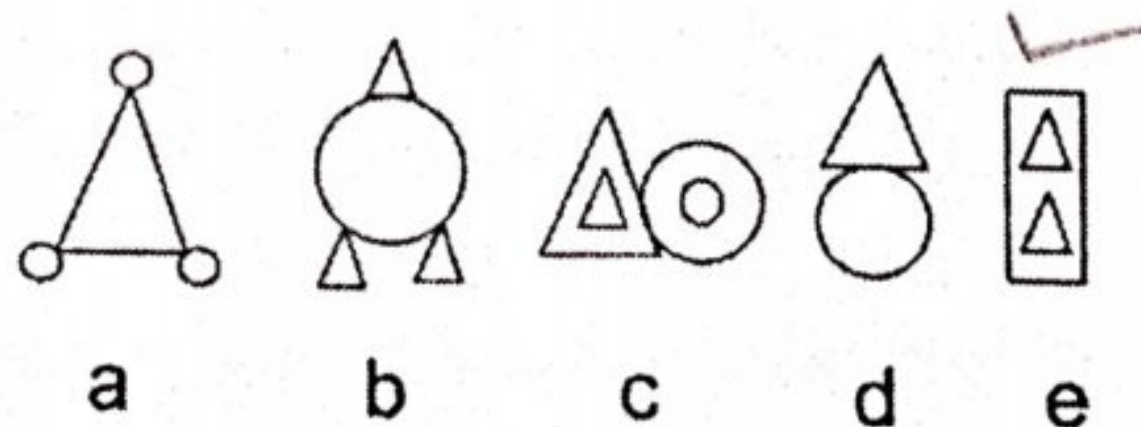
The answer is B, all the rest of the images are comprised of three lines, while B is only made of two lines.

13. Choose the odd one out



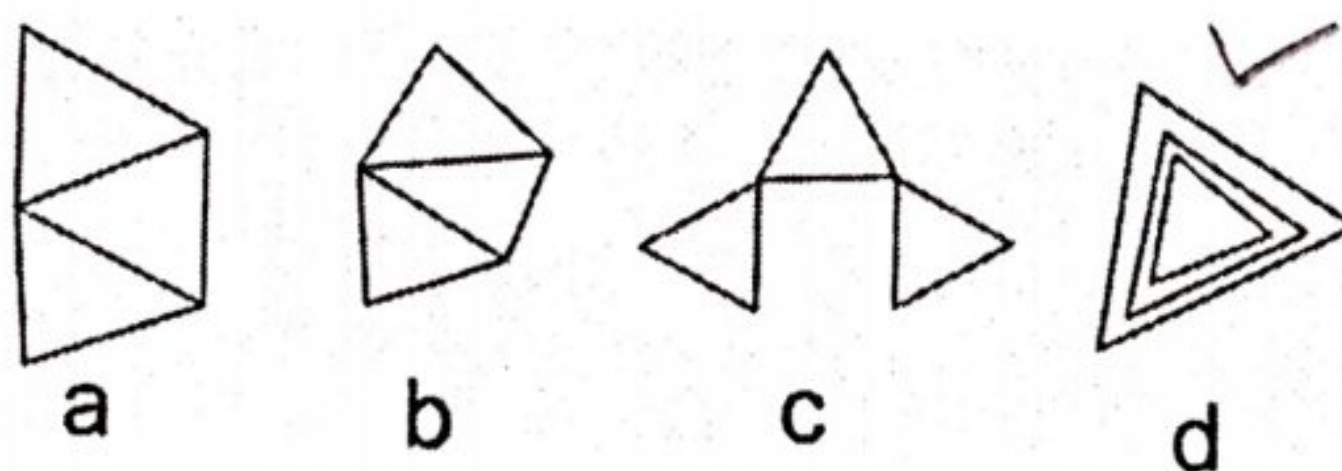
The answer is C, all the rest of the images have three layers of one shape fitting into another and then overlapped by the last shape. Image C does not, with two shapes only put into another and not set inside one another.

14. Choose the odd one out



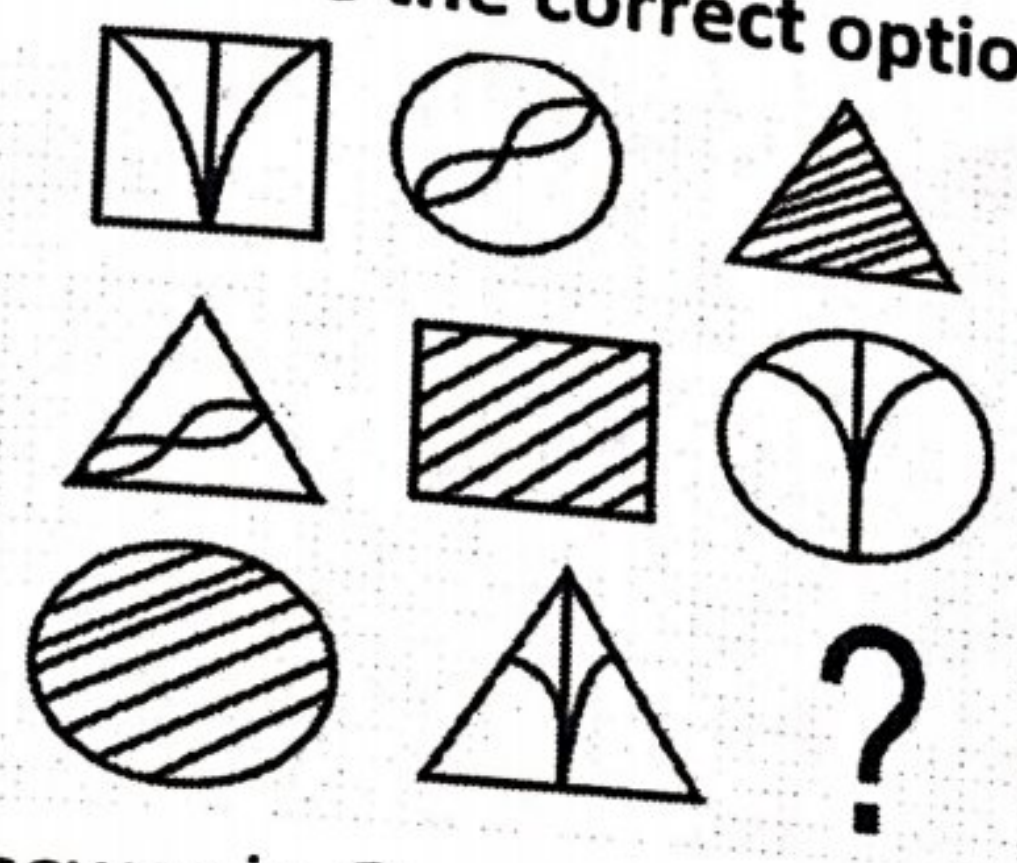
The answer is E, all the other images show an element of shapes touching one another but not inside one another. The only exceptions to this are C and E, but with C, the element of shapes touching is maintained while E just has shapes inside of it. That makes E the outlier and therefore the answer.

15. Choose the odd one out

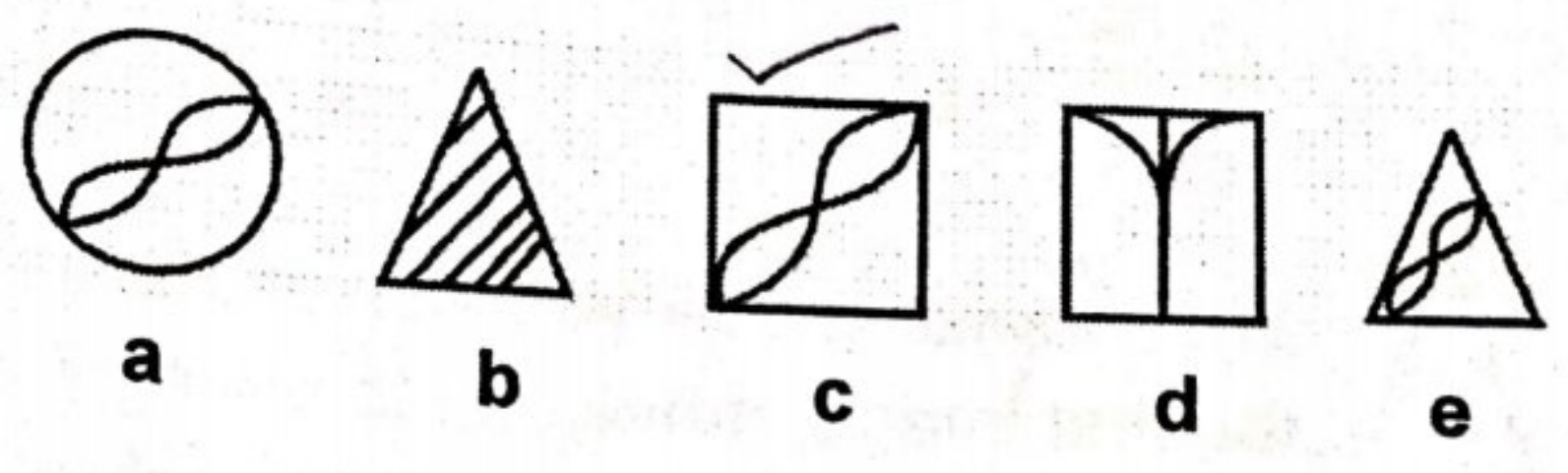


The answer is D, all the rest of the images showcase triangles interacting/connecting with one another, there are no overlaps or images inside of these triangles. D is the exception to this pattern and therefore the answer.

17. Choose the correct option to complete the series

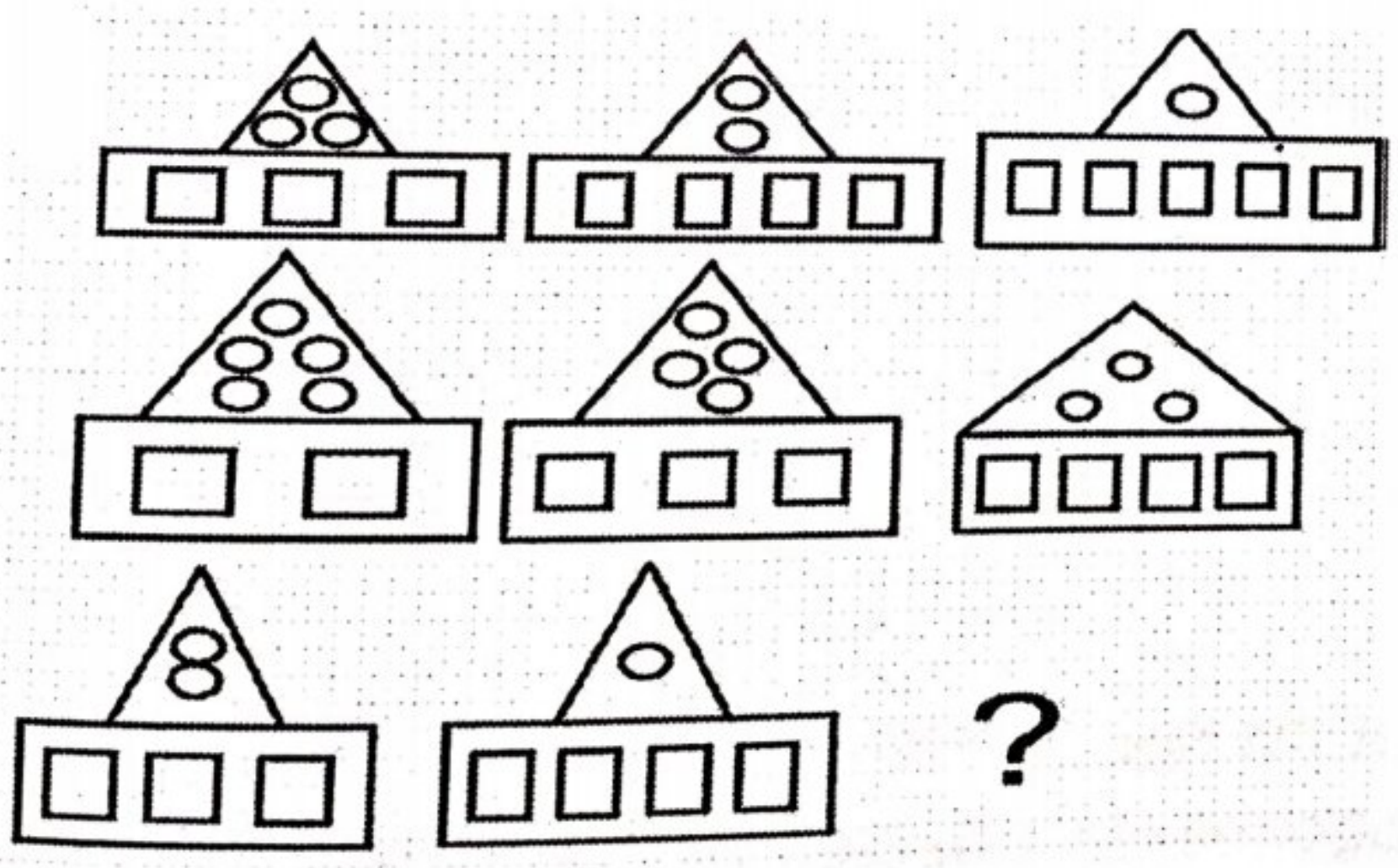


Answer:-

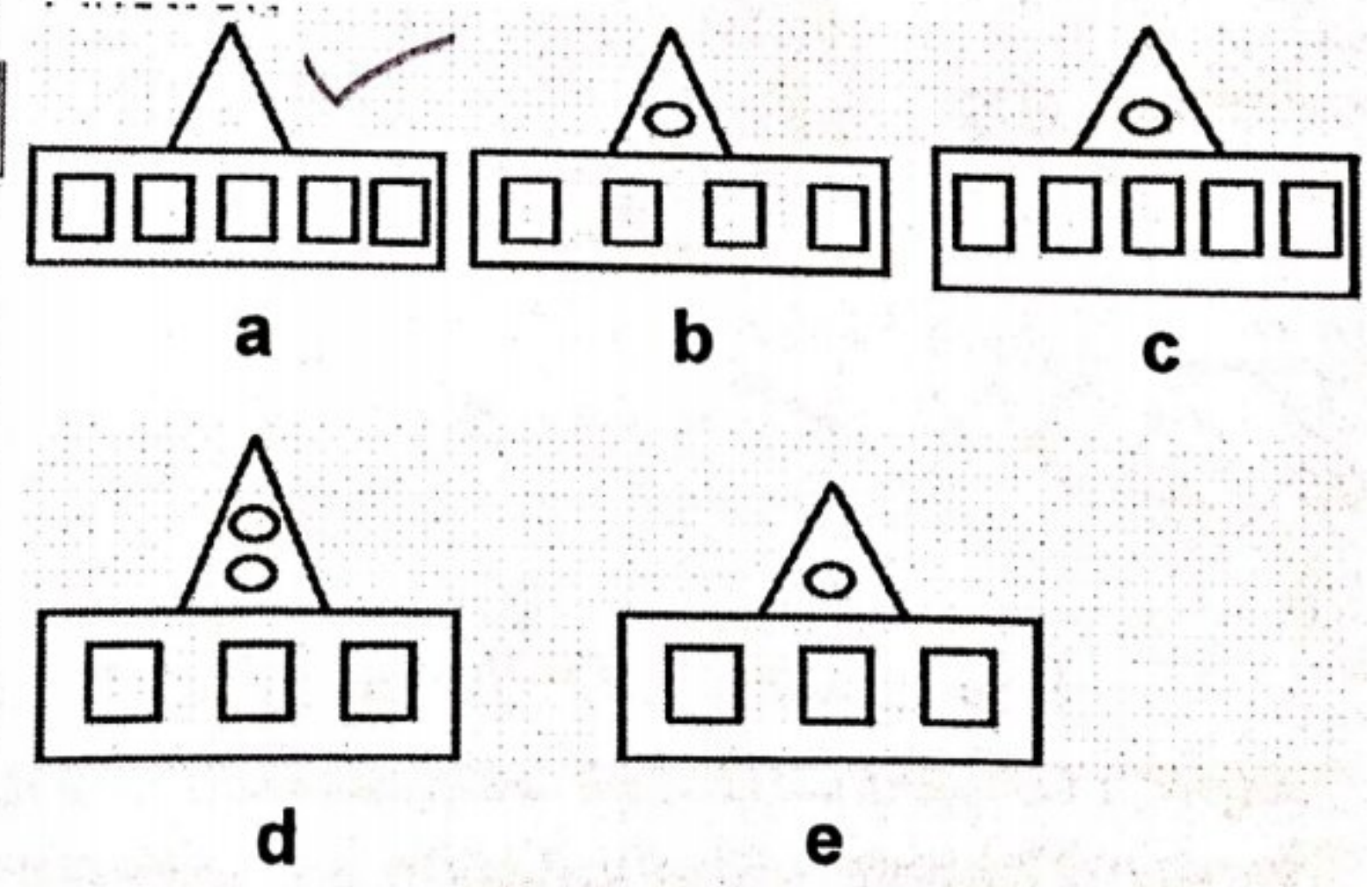


The answer is C, as you look at the unstripped shapes, you see there are pairs of three different shapes sharing the same inside pattern such as the circle, triangle, and square having the same inside triangles, therefore the solution must be the third part of the second image pattern which is a helix within a circle and a triangle. The only image that is a square with a helix inside of it is C.

18. Choose the correct option to complete the series

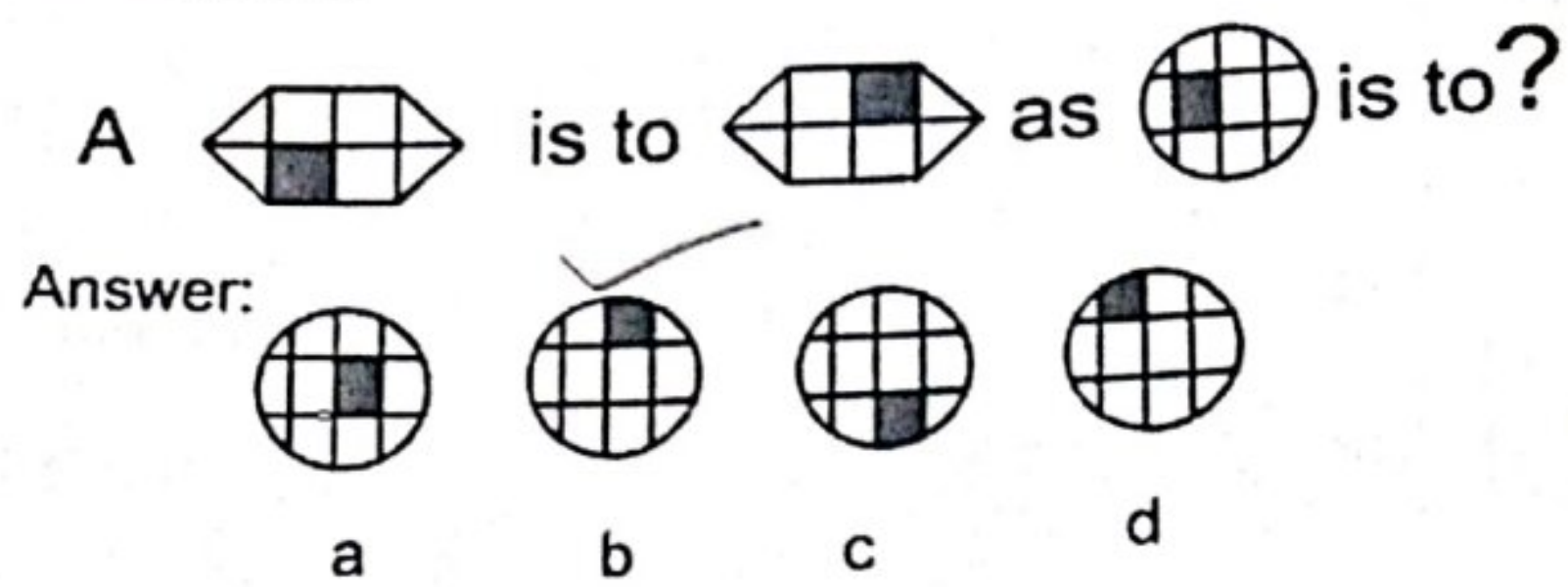


Answer: -



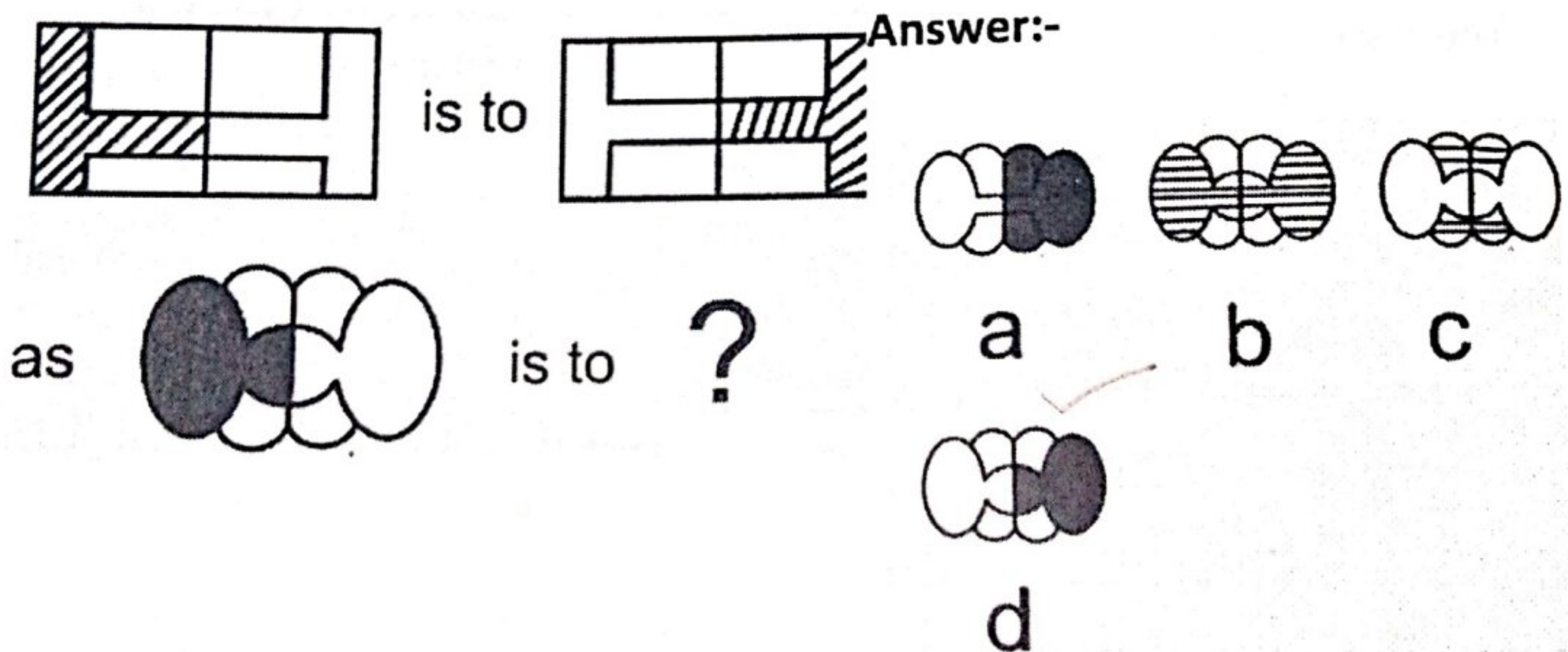
The answer is A. As you follow the sequence of images from left to right for each row, you see that each progressive image has one less circle inside the triangle as you move left. With the third row, you see two circles in the triangle, then one, and the last one must have no circles. The only image that matches that criteria is A.

19. Choose the correct option



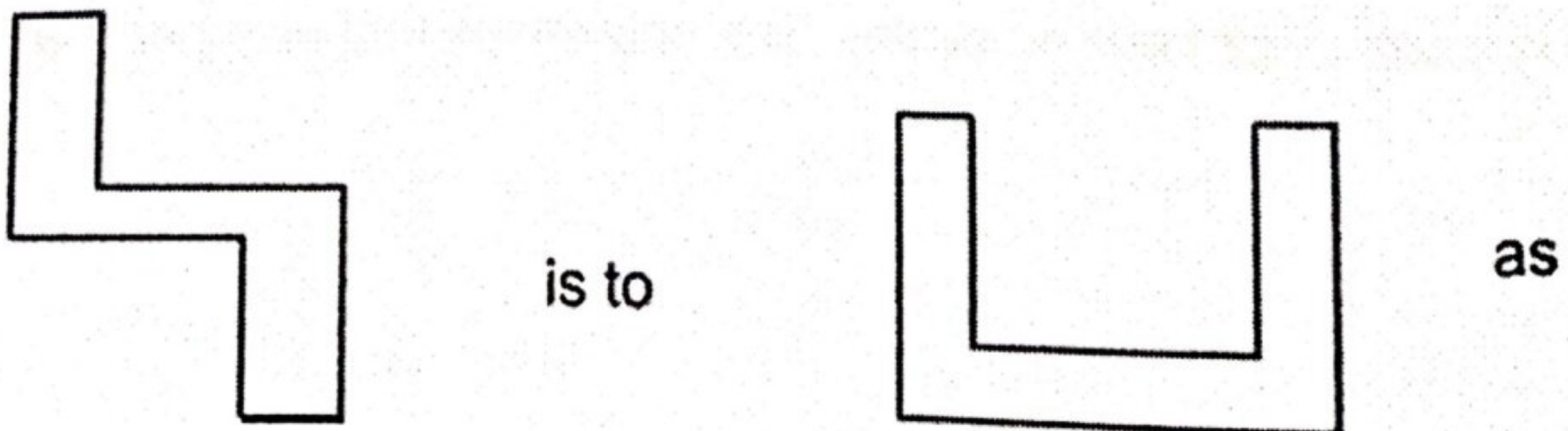
The answer is B. If you look at the first two images, you see that the dark square in the first image, moves up to the right diagonally. Therefore the comparison aspect of this exercise means that the solution should have the dark square presented in the first image also move up and to the right diagonally. The only image that does this is B.

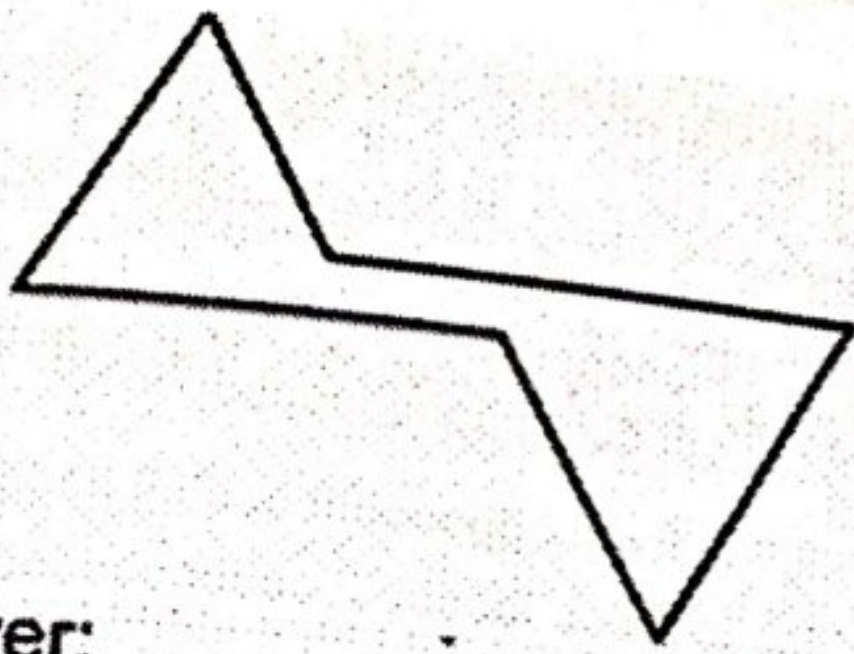
20. Choose the correct option



The answer is D. When you look at the first two images, they show the striped/coloured section of the image, being reflected between the two images. Therefore the solution will show the coloured section of the third image, being reflected from the left side to the right side. The only image that does this is D.

21. Choose the correct option

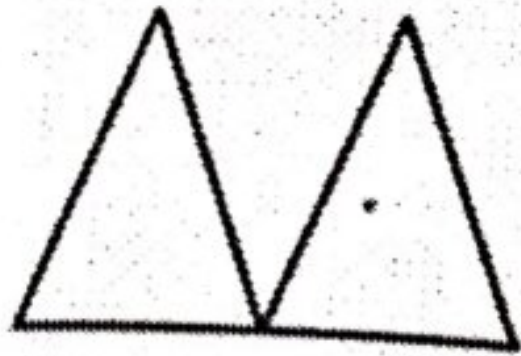




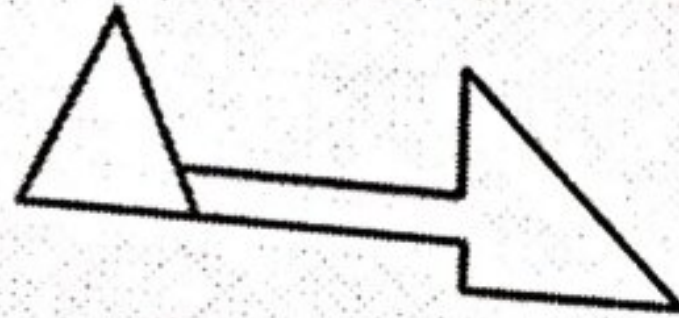
is to

?

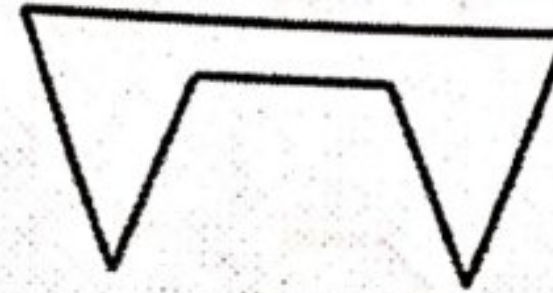
Answer:



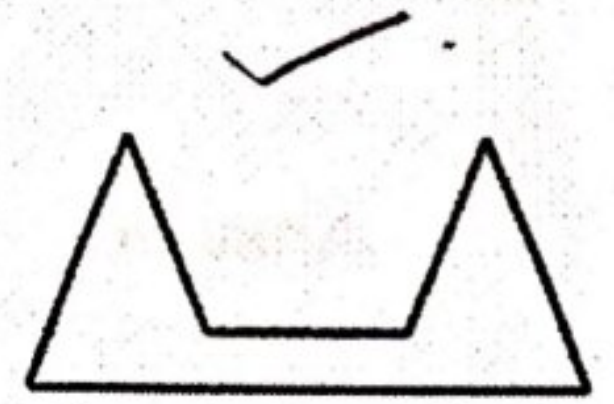
a



b



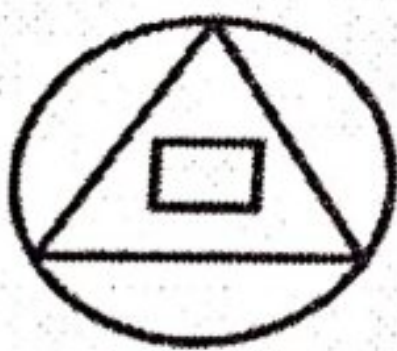
c



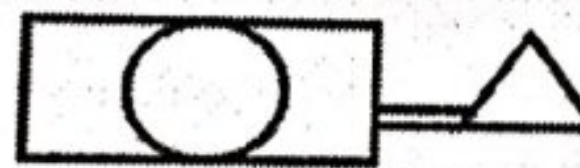
d

The answer is D. Looking at the first two images you see, a multiangular line straightened to have only two angles, with the ends facing upwards. When you look at the image beneath that, the same multiangular shape is presented with triangles, therefore the solution will present these triangles straightened upwards. The only solution with that answer is d.

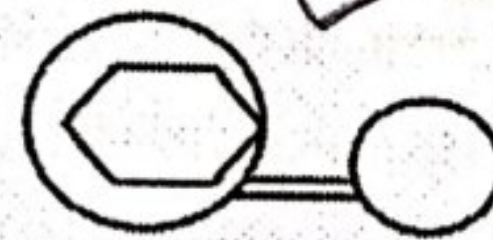
22. Choose the correct option



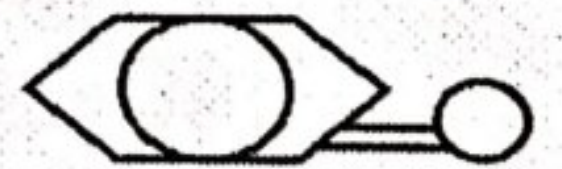
is to



Answer:-

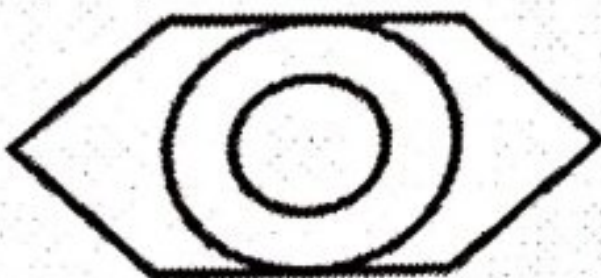


a

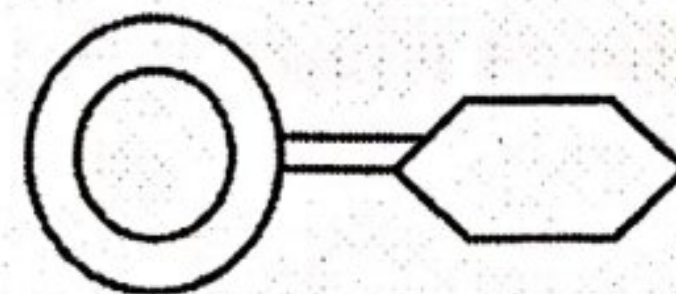


b

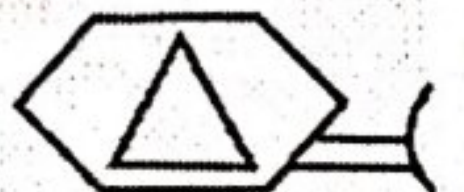
as



is to ?



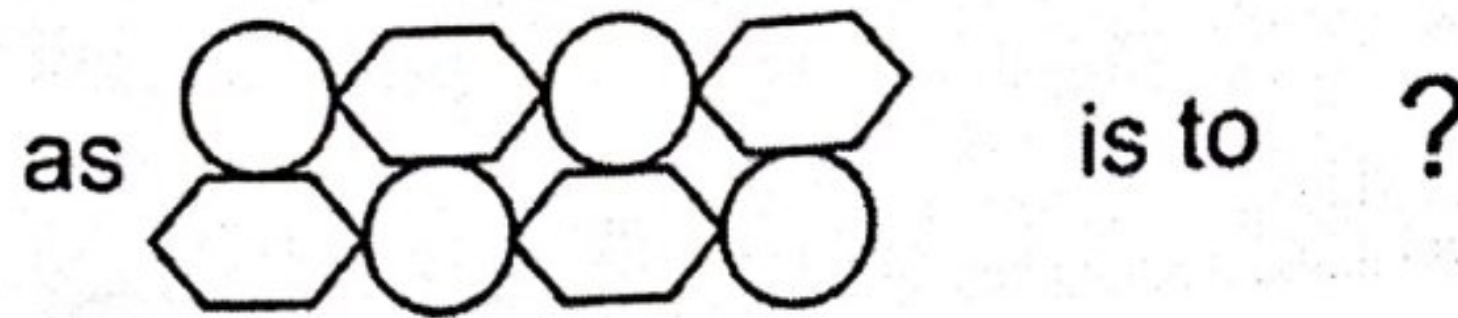
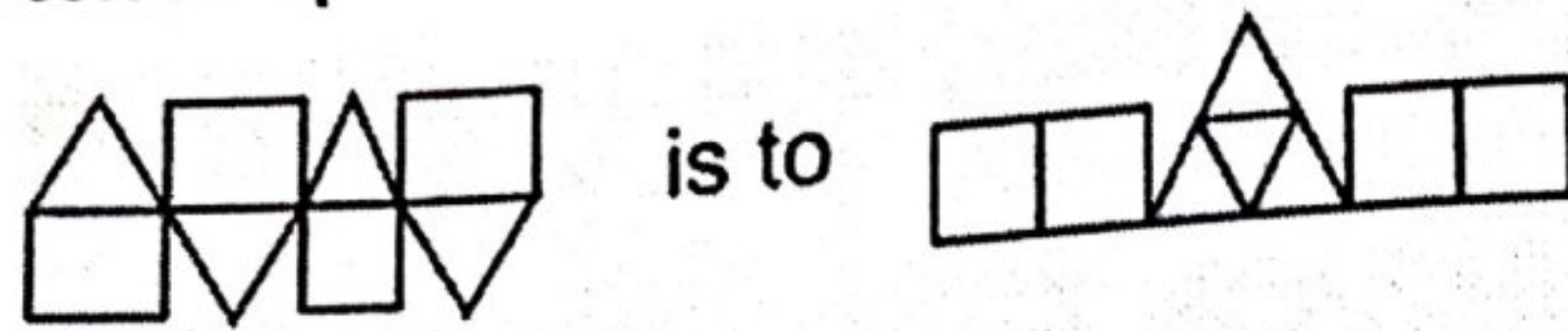
c



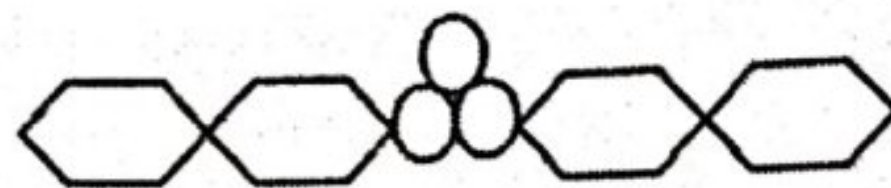
d

The answer is A. When looking at the first two images, you see that the first image is deconstructed partially within the second image, you see that the second layer of the three shapes that overlap, is taken to the outer left of the image. Therefore the solution will also do the same with the third image. The only image which showcases this is A.

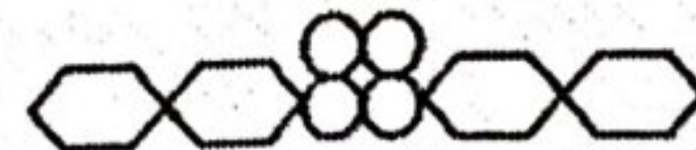
23. Choose the correct option



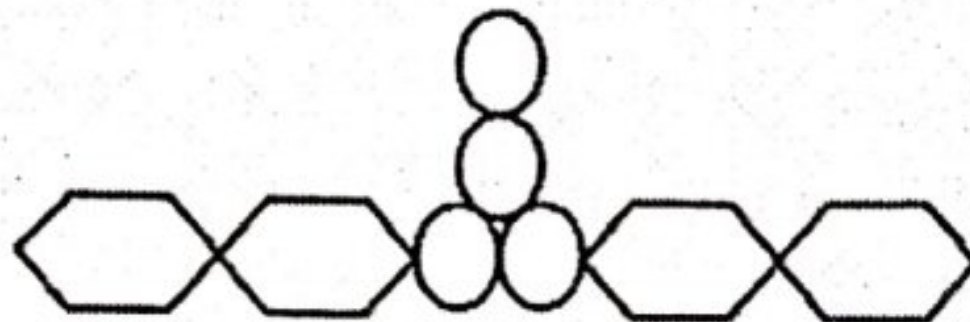
Answer:-



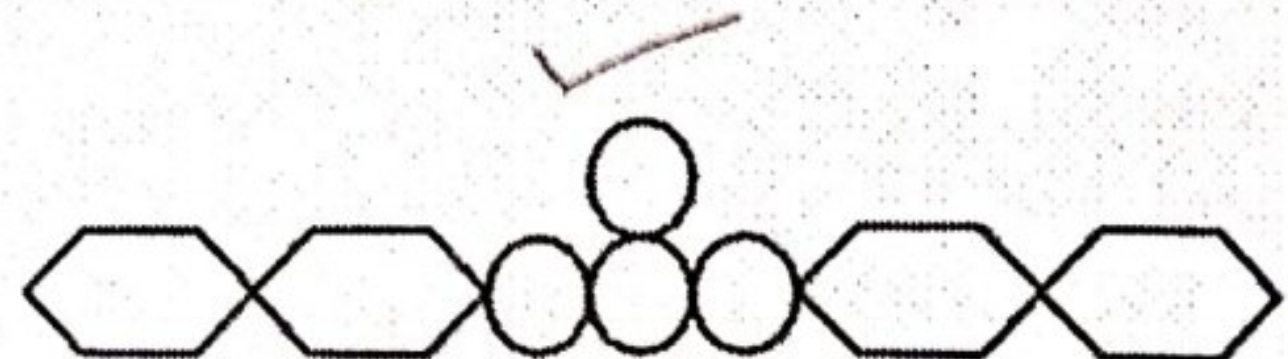
a



b



c



d

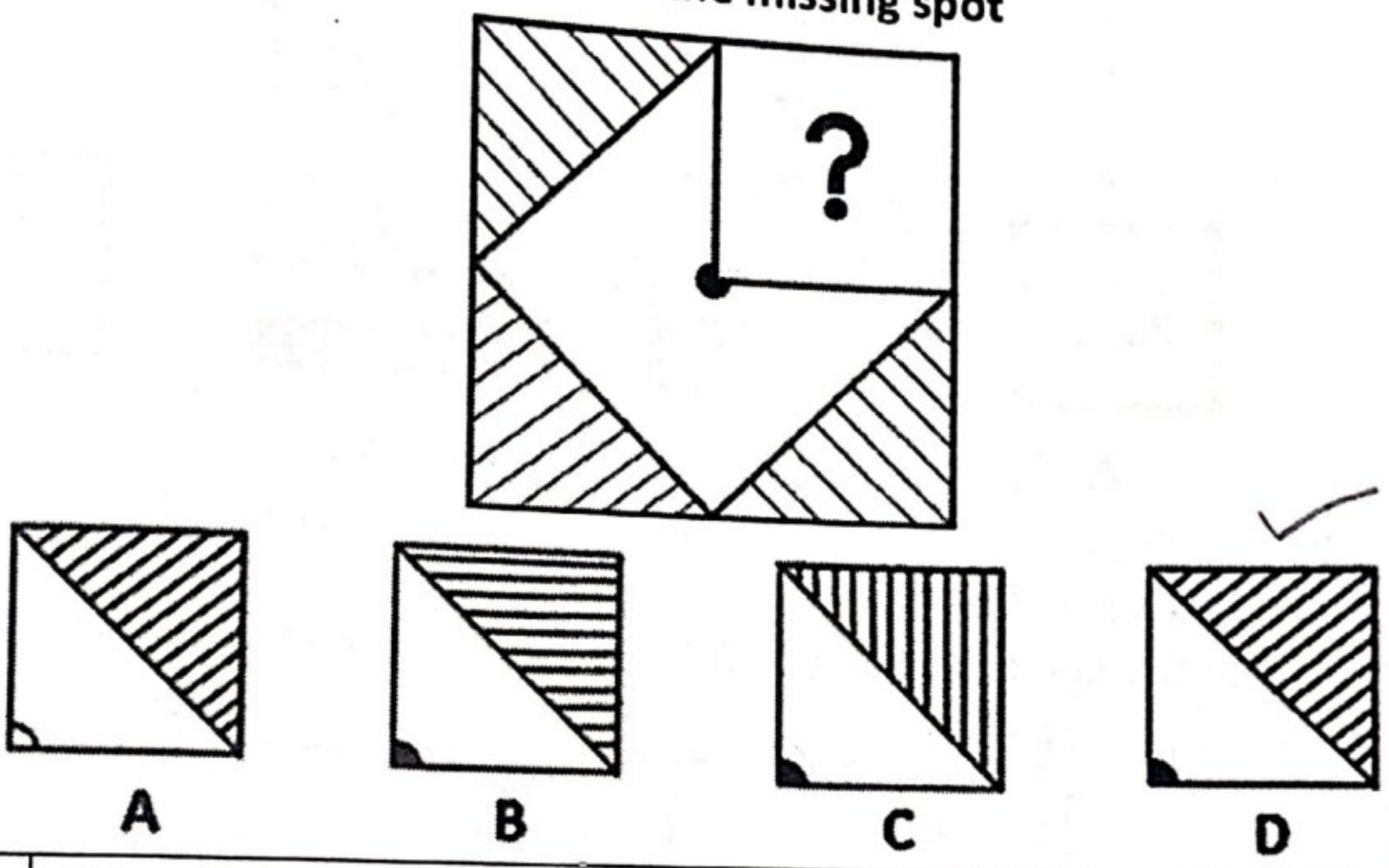
The answer is D, when you look at the first image, you see that every second shape is placed on the outer ends of the second image (squares) while every first shape is stacked in the middle (triangles). This means the solution will also apply the same pattern and deconstruction with our second row. The hexagons will be placed outwards will the circles are stacked. The only answer with the same pattern as the second image shown in the first row is D.

PMA LONG COURSE PRACTICE TEST 3

Non-VERBAL INTELLIGENCE TEST

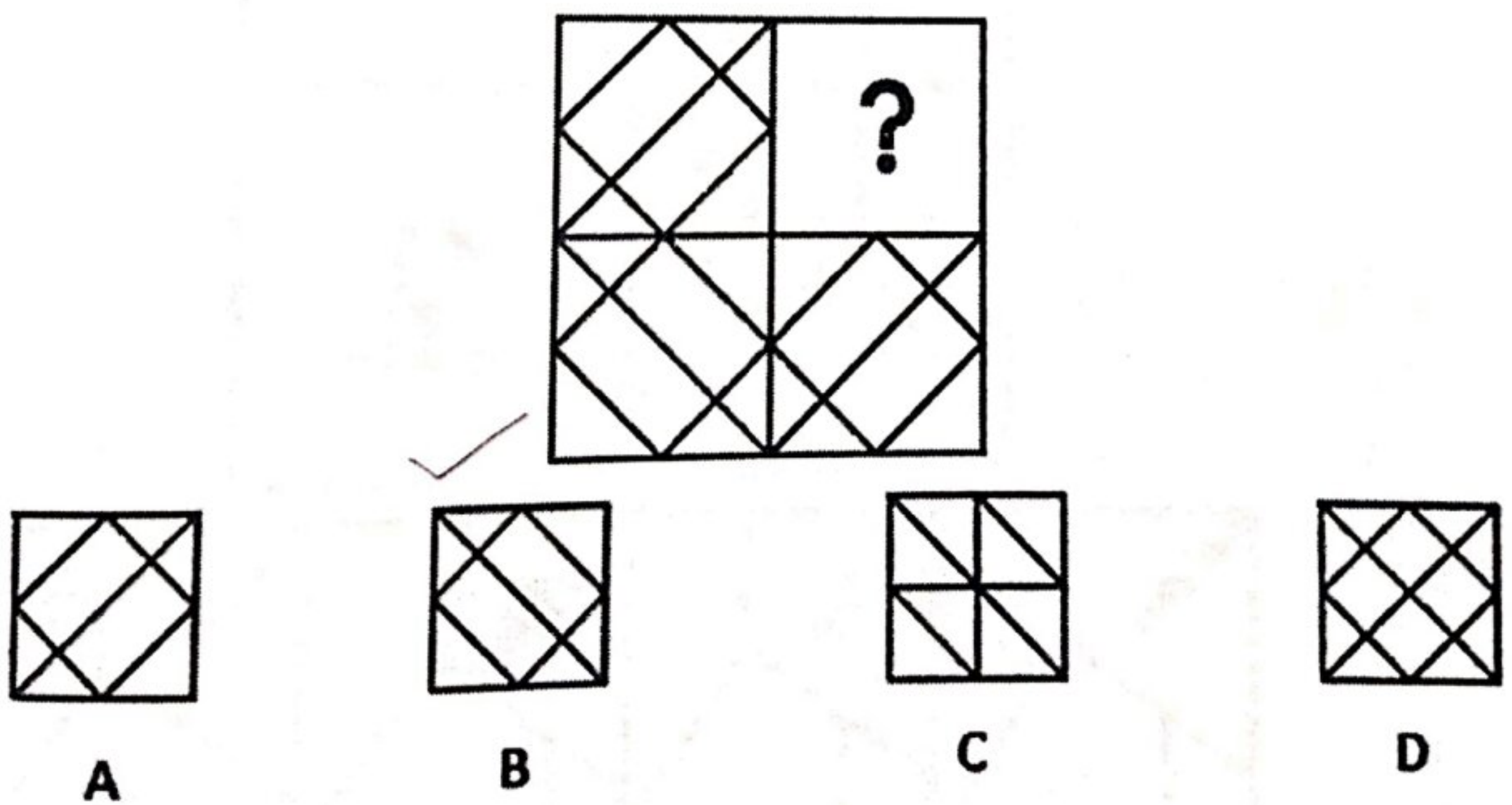
Attempt the following test to practice nonverbal intelligence questions. To practice hundreds of further questions visit tabir.pk

1. Choose the correct option to fill in the missing spot



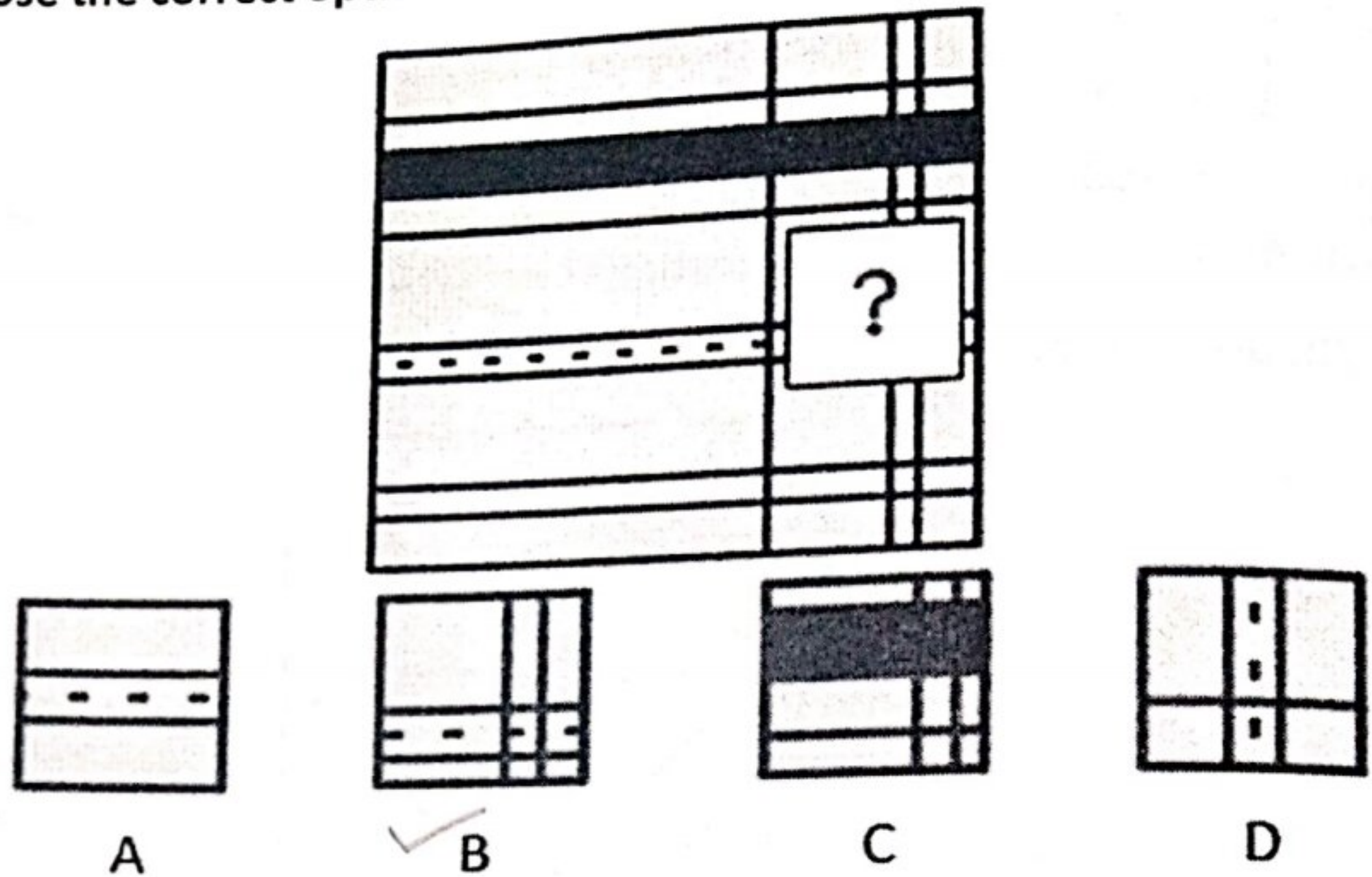
D	D is suitable as it has lines inclined from right to left.
---	--

2. Choose the correct option to fill in the missing spot



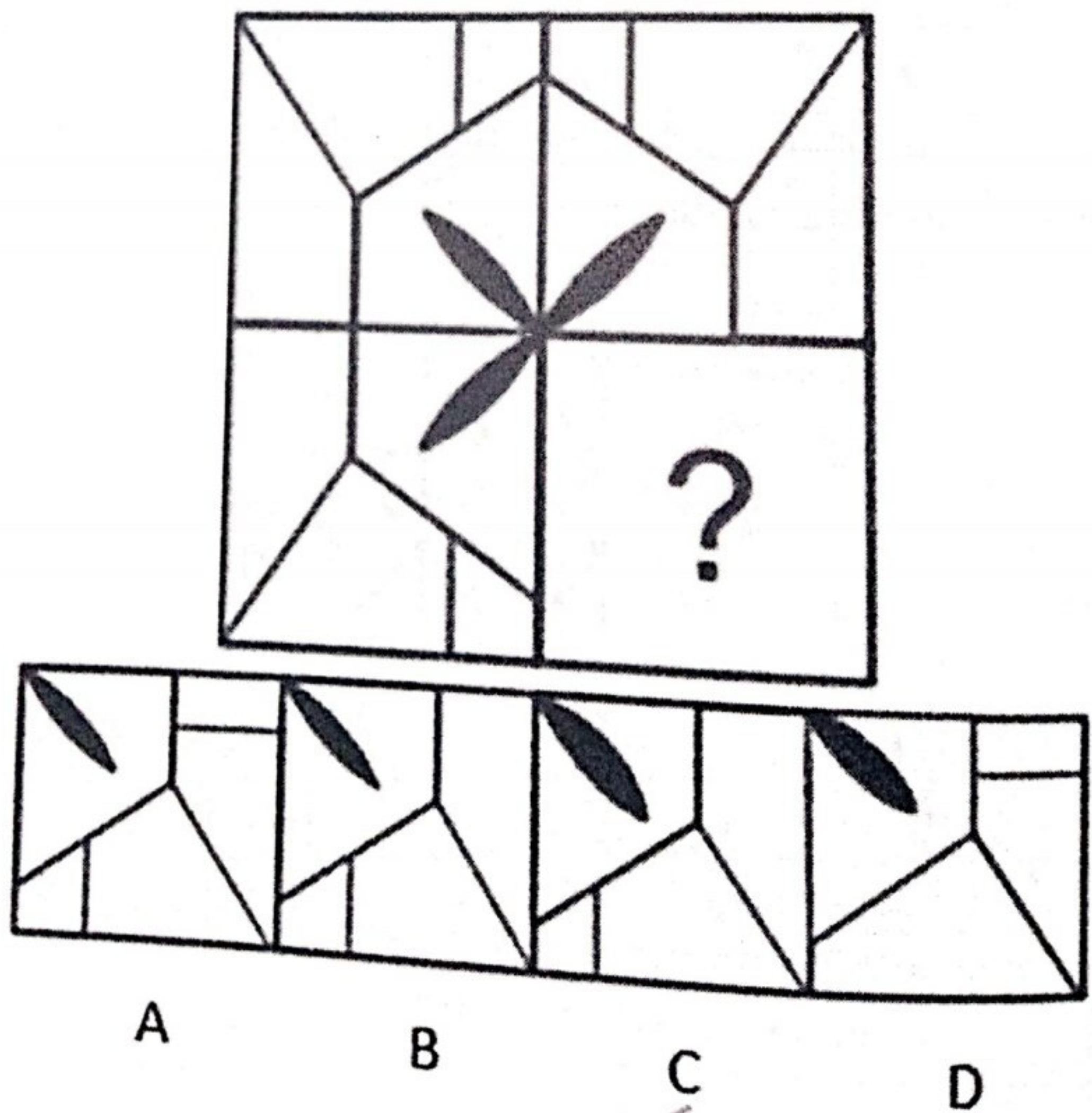
B	Missing section is same bottom left portion.
---	--

3. Choose the correct option to fill in the missing spot



B Pattern includes two vertical and two horizontal lines intersecting each other.

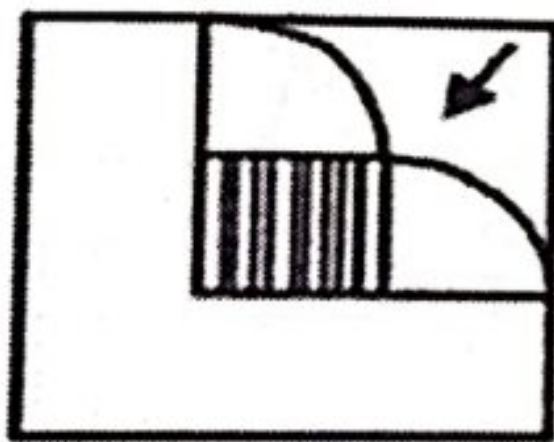
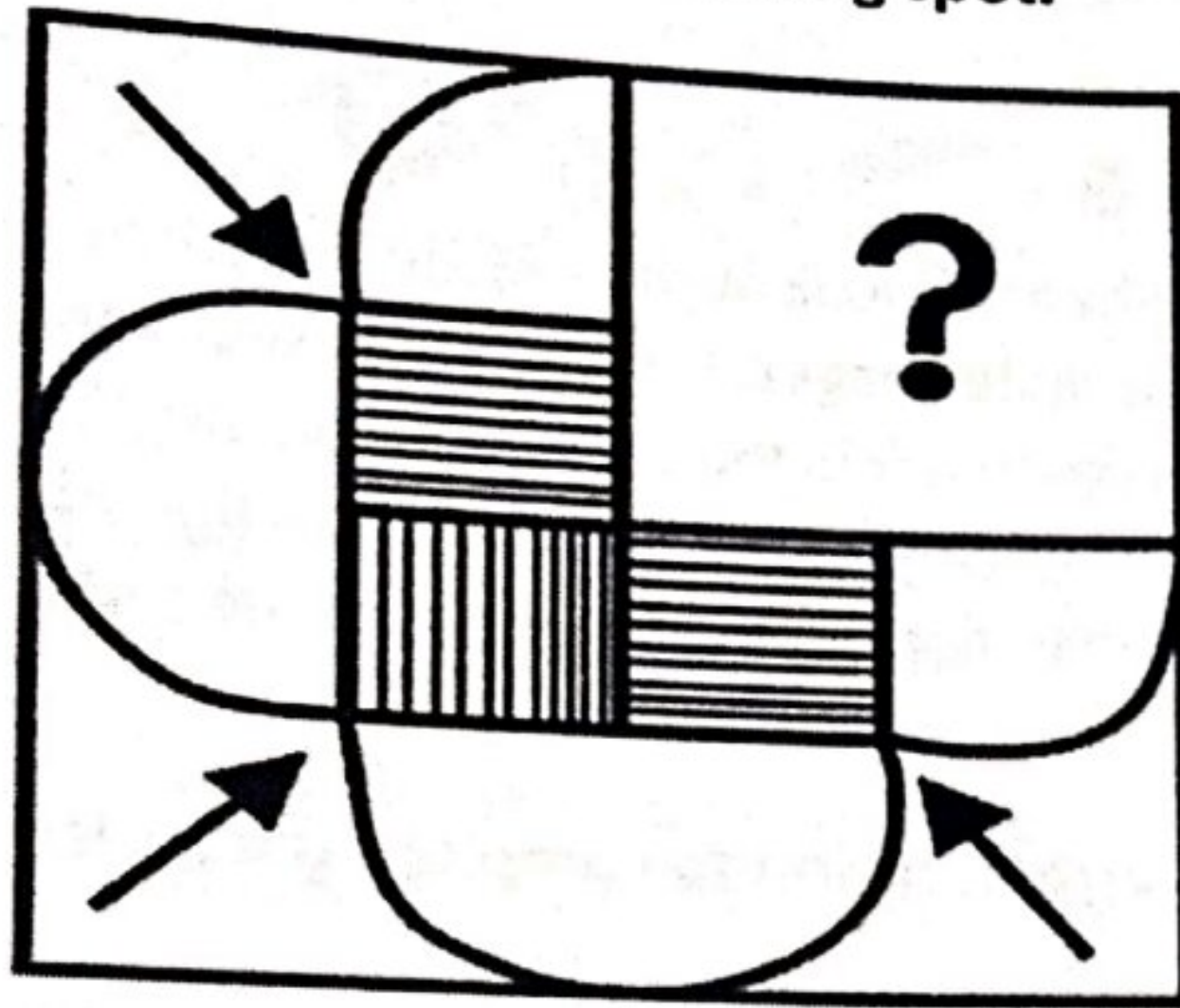
4. Choose the correct option to fill in the missing spot.



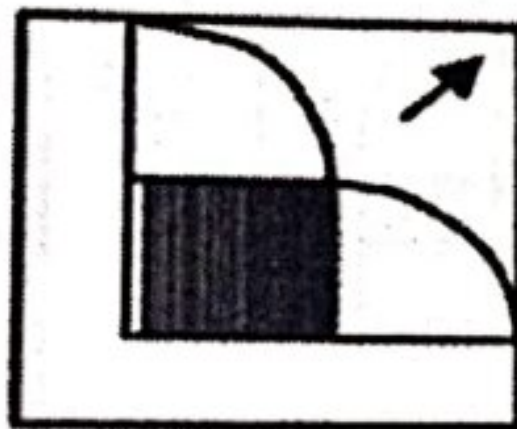
C

Also consider petal size.

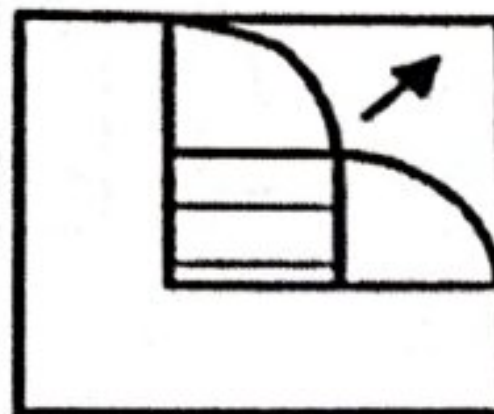
5. Choose the correct option to fill in the missing spot.



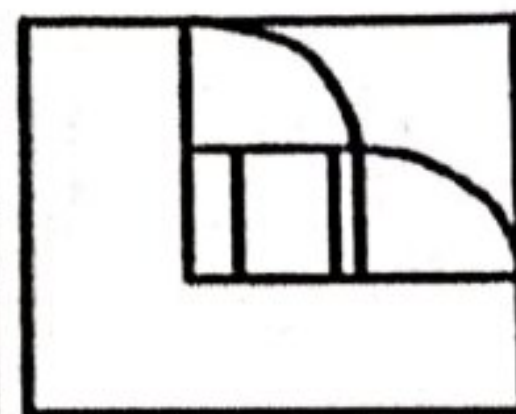
A



B



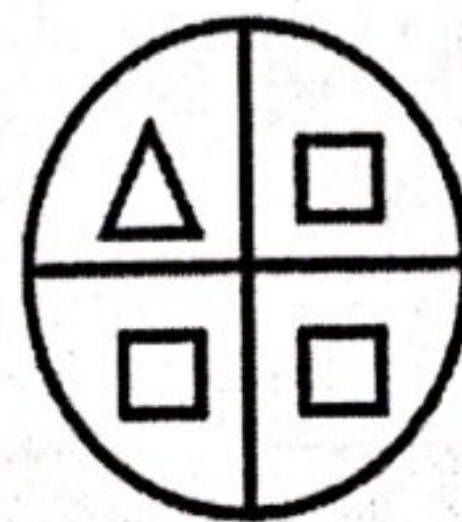
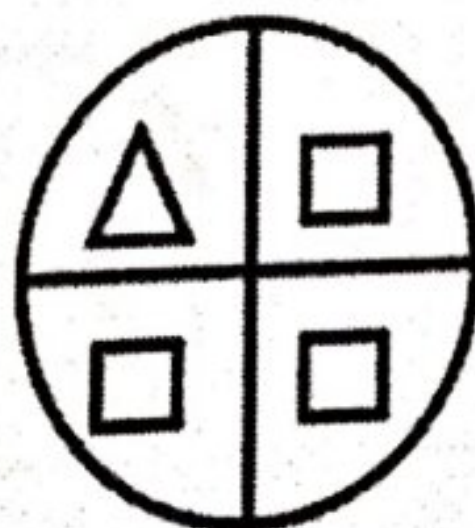
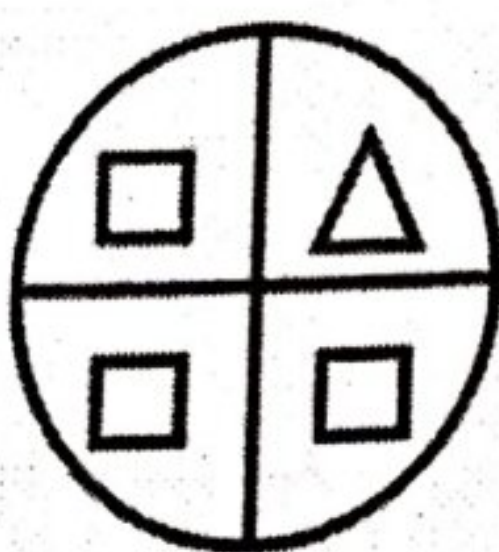
C



D

A Pattern should have vertical lines.

6. Choose the correct option to complete the series

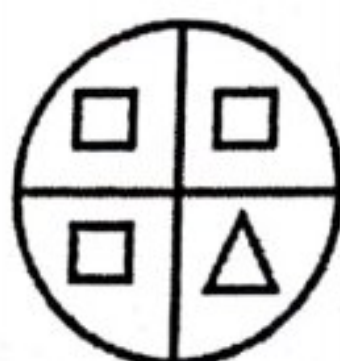


?

Answer:-



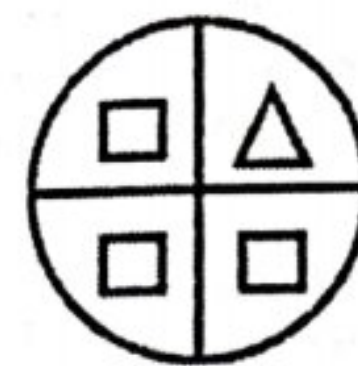
a



b



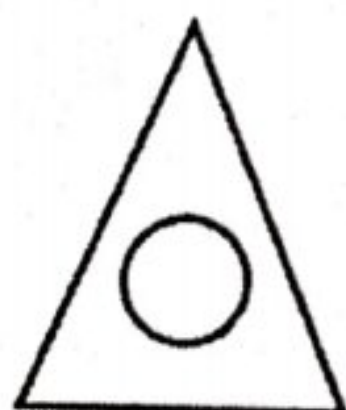
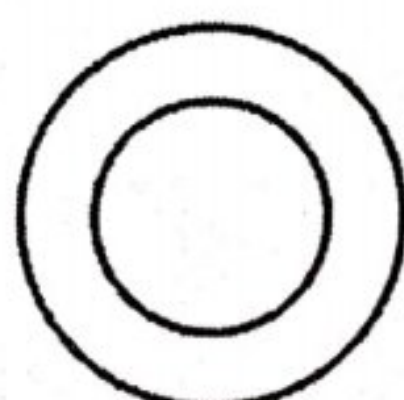
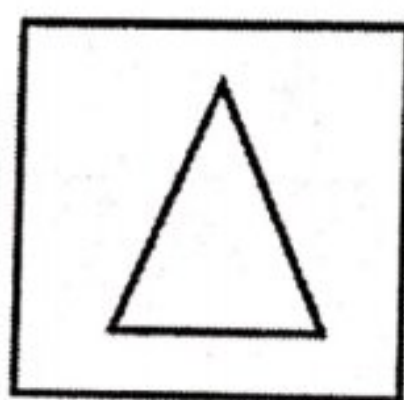
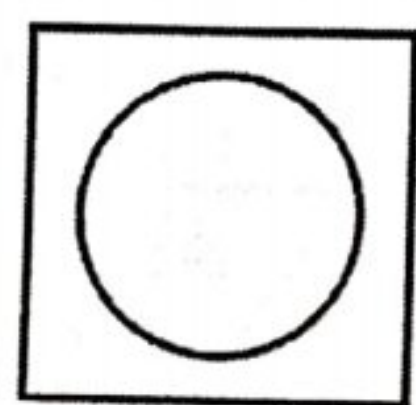
c



d

The answer is D. When you look at the sequence of circles you see that there is only one triangle in all of the circle images. Looking at the sequence, you see the triangle go from right in the first image to left in the second image, and finally it remains left in the third image. This means the solution will be paired with the triangle being on the opposite side of the triangle within image three. This points to the triangle being on the right hand side, which is D.

7. Choose the correct option to complete the series



?

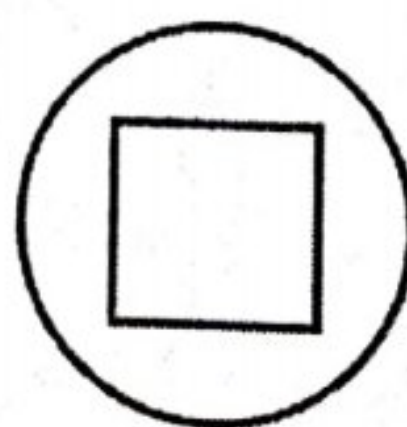
Answer:-



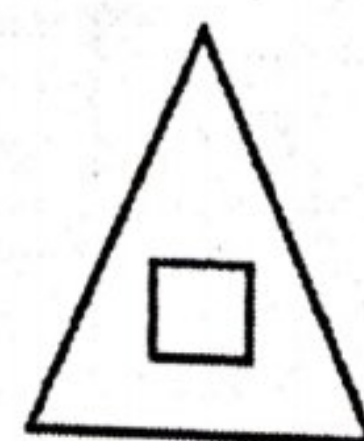
a



b



c

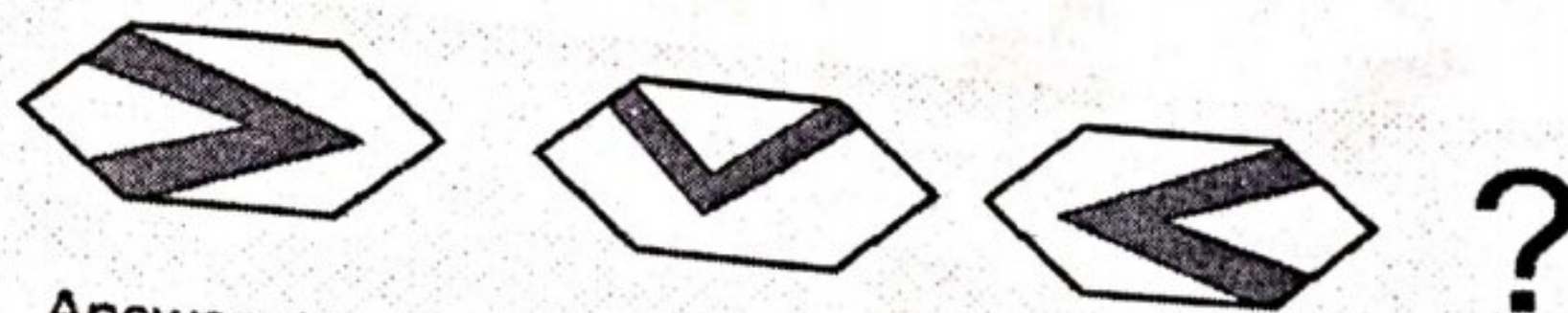


d

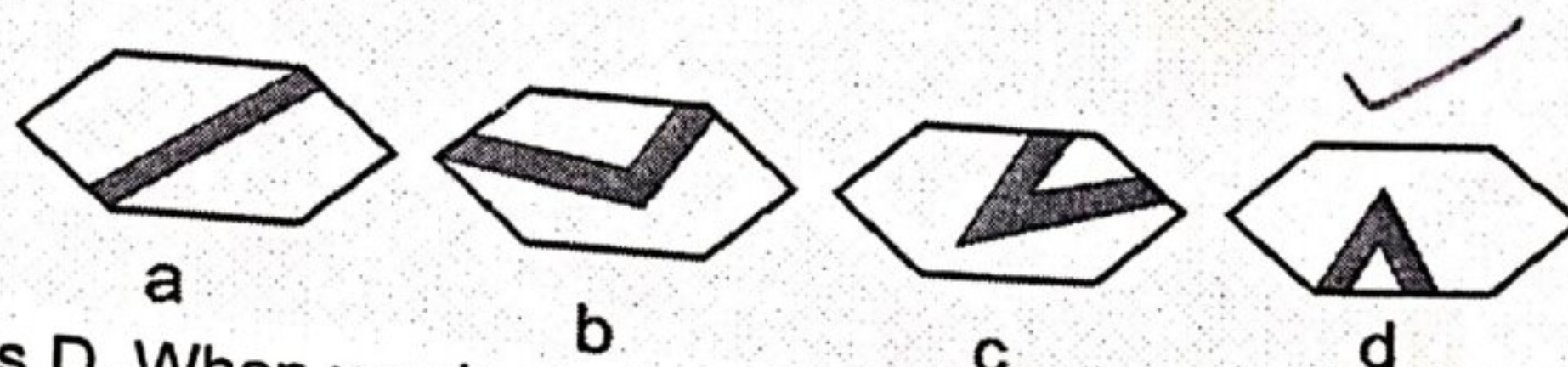
The answer is A. If you look at the sequence of images, you notice that the inner shapes of the images is the most crucial aspect of the sequences being shown. This is because these images alternate between having a circle on the inside and then a triangle, this occurs regardless of what the outer shape of the image is. So therefore when looking at the inner image of the last image in the sequence and we

see a circle, this means the solution will have the same outer shape but will have a triangle inside of it. The only possible answer with this is A.

8. Choose the correct option to complete the series

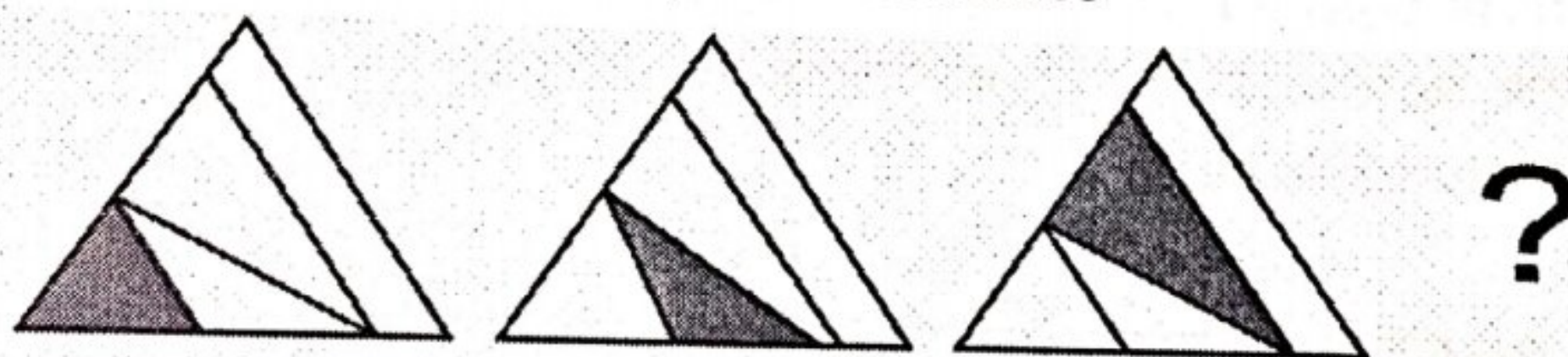


Answer:-

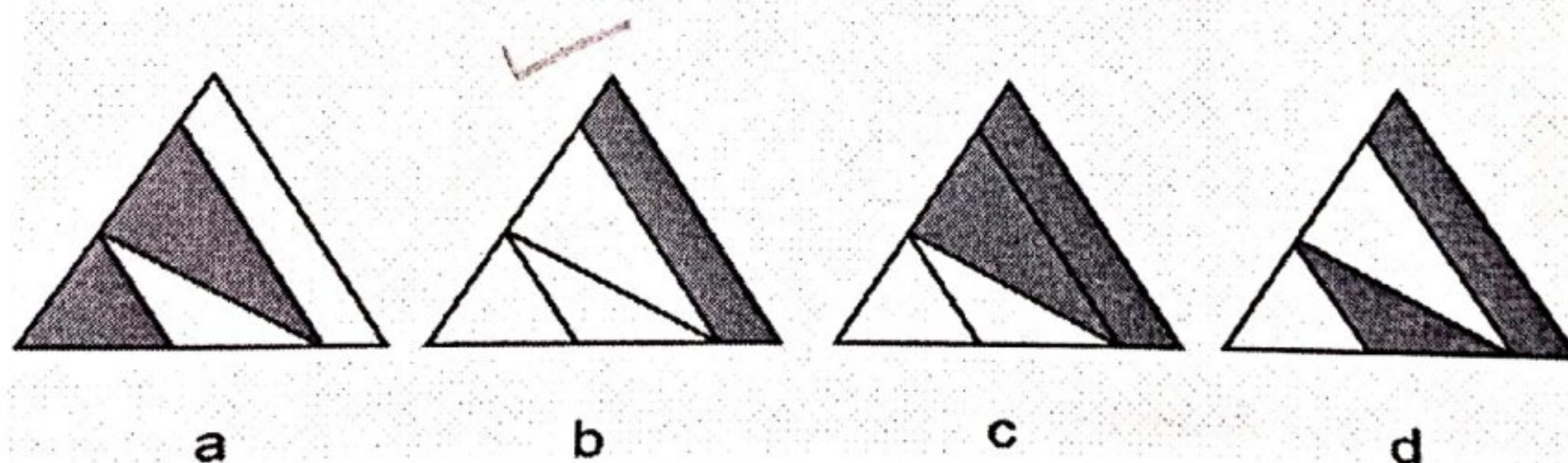


The answer is D. When you look at the sequence of images being presented you see that the first and third images are reflections of one another. This means the solution will be a reflection of the second image, the only possible answer with that orientation is D, therefore this is the solution.

9. Choose the correct option to complete the series

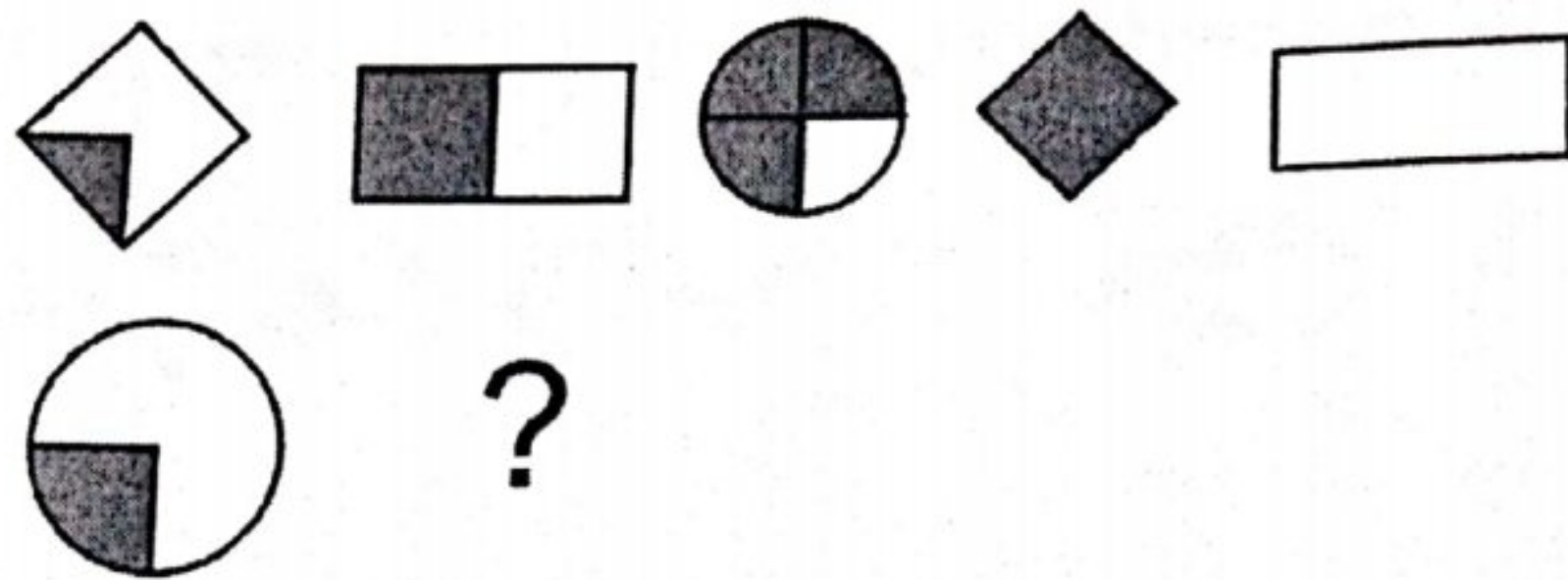


Answer:-

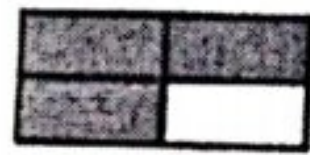


The solution is B. When looking at the sequence of triangles you see that with each new image, the dark section of the triangle moves up a section as the images progress. There are no images that show multiple dark coloured sections, therefore the solution will only have one section that is colored in. This points to B being the answer.

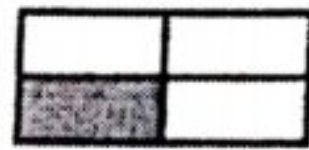
10. Choose the correct option to complete the series



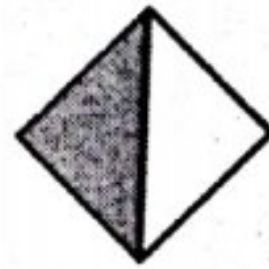
Answer:-



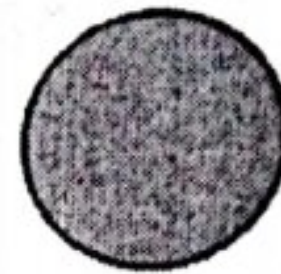
a



b



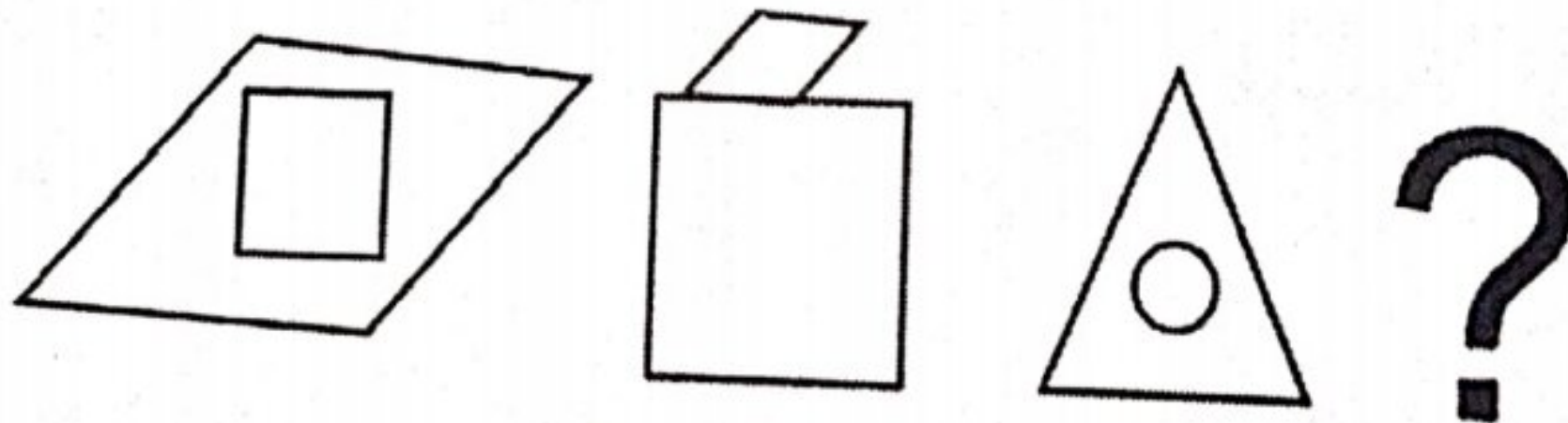
c



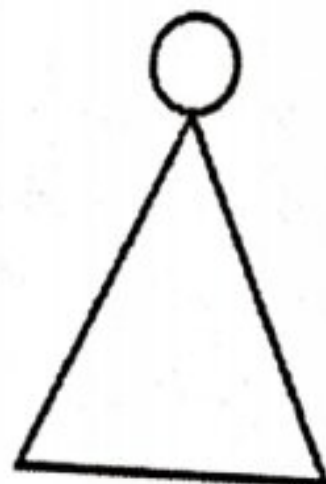
d

The solution is C. When looking at the sequence of images you see the dark coloured sections of the shapes showcasing the pattern of the first row. The circle shows the same dark colored section of the square above it, therefore the next image will show the same dark section as the rectangle in the second column of the first row. This points to solution C.

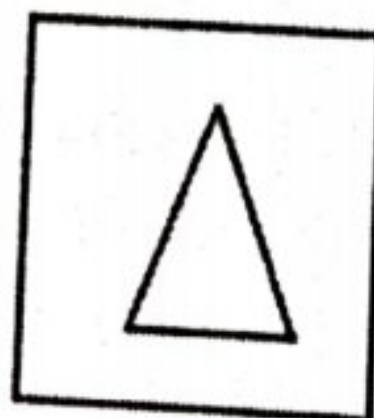
11. Choose the correct option to complete the series



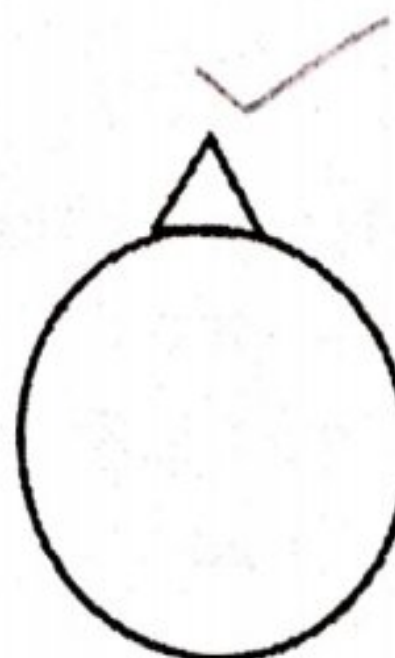
Answer:-



a



b



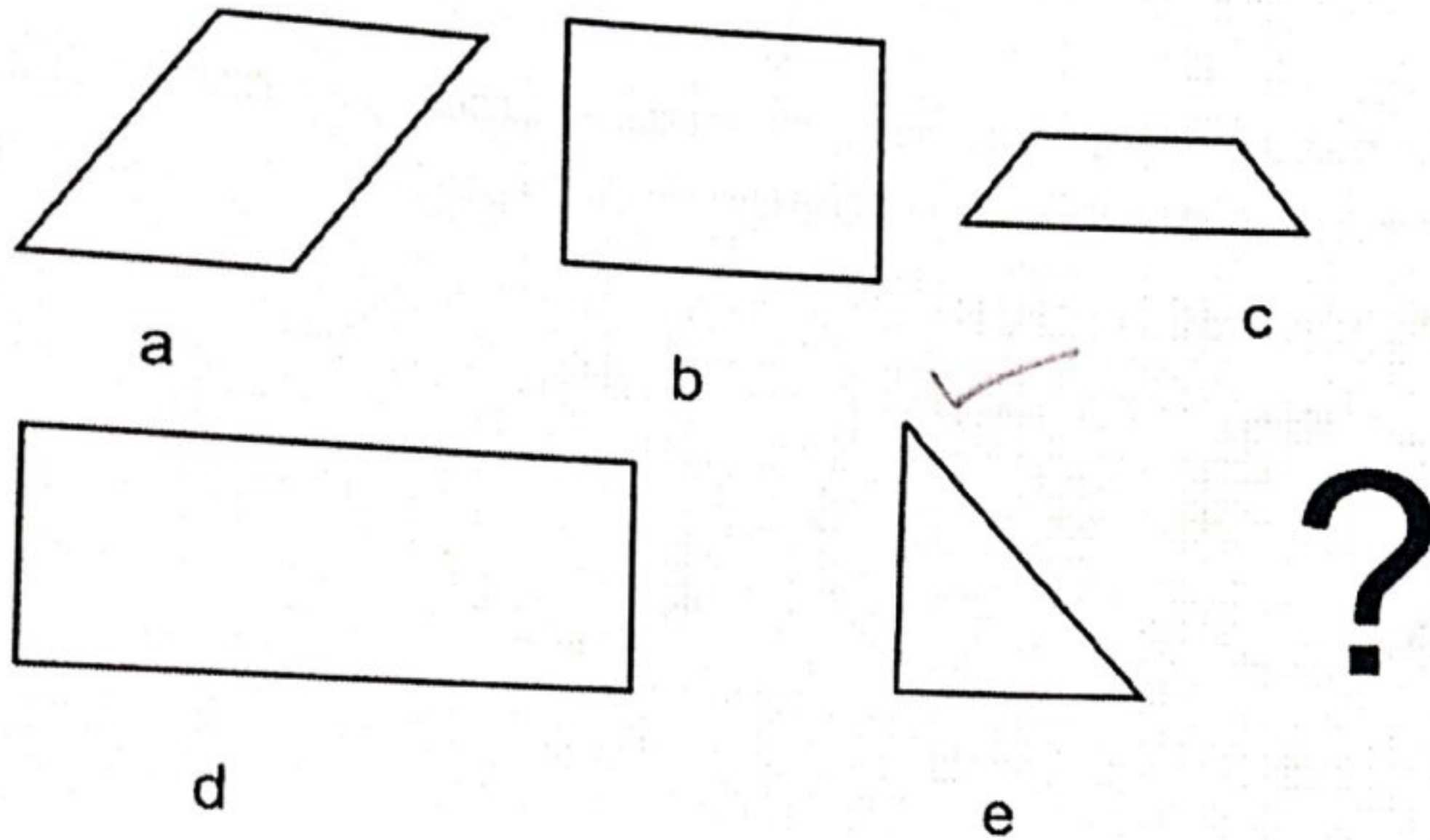
c



d

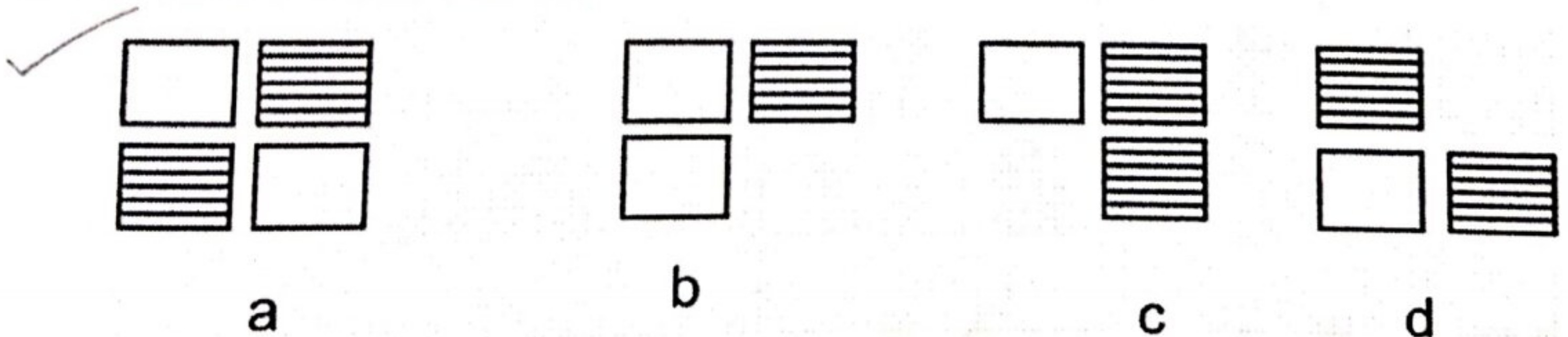
The solution is C. When you look at the sequence, you see that the first two images are inverted. Therefore the solution will be an inversion as the third image, this points to C.

12. Choose the odd one out



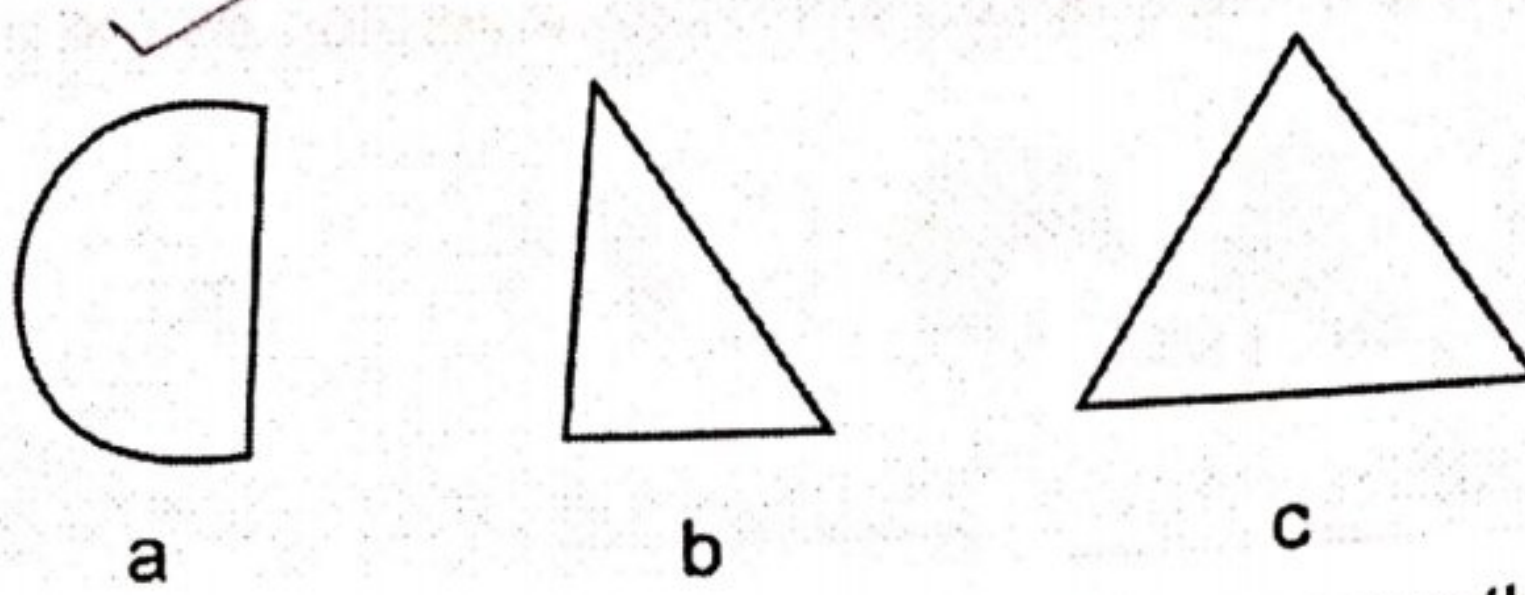
The solution is E. When you look at the other shapes you see that the majority of the shapes have four sides, this is in contrast to E which unlike the other images, E only has three.

13. Choose the odd one out



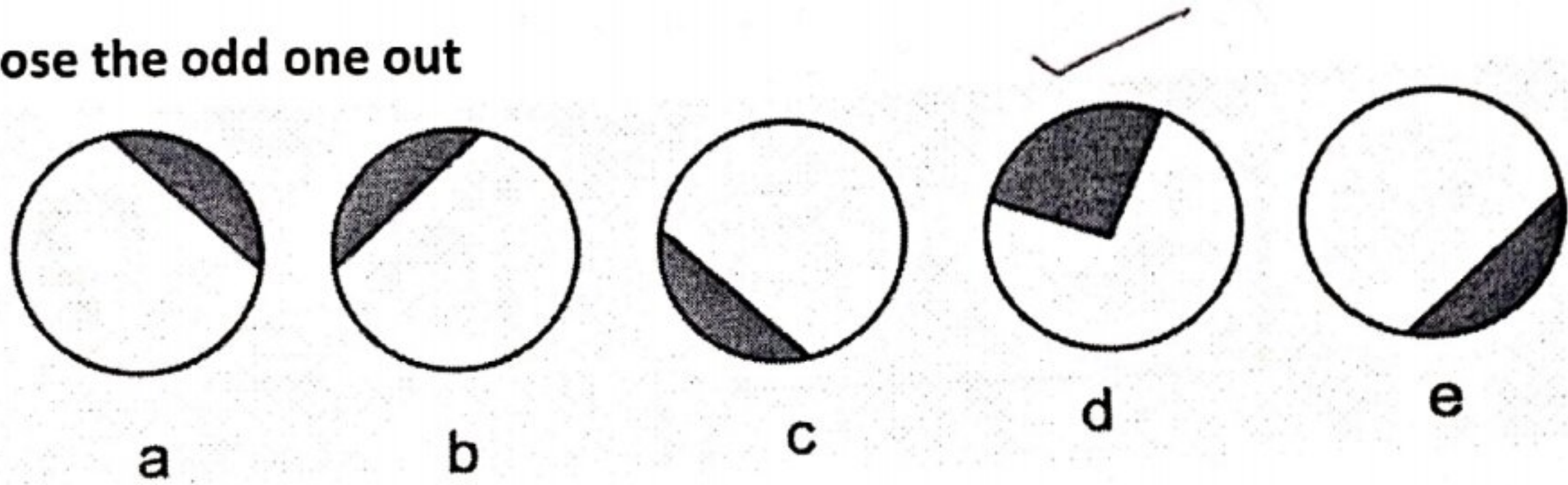
The answer is A. When you look at this sequence of images, you see the majority of them are comprised of three squares for each image. This is in contrast to A, which is comprised of four squares.

14. Choose the odd one out



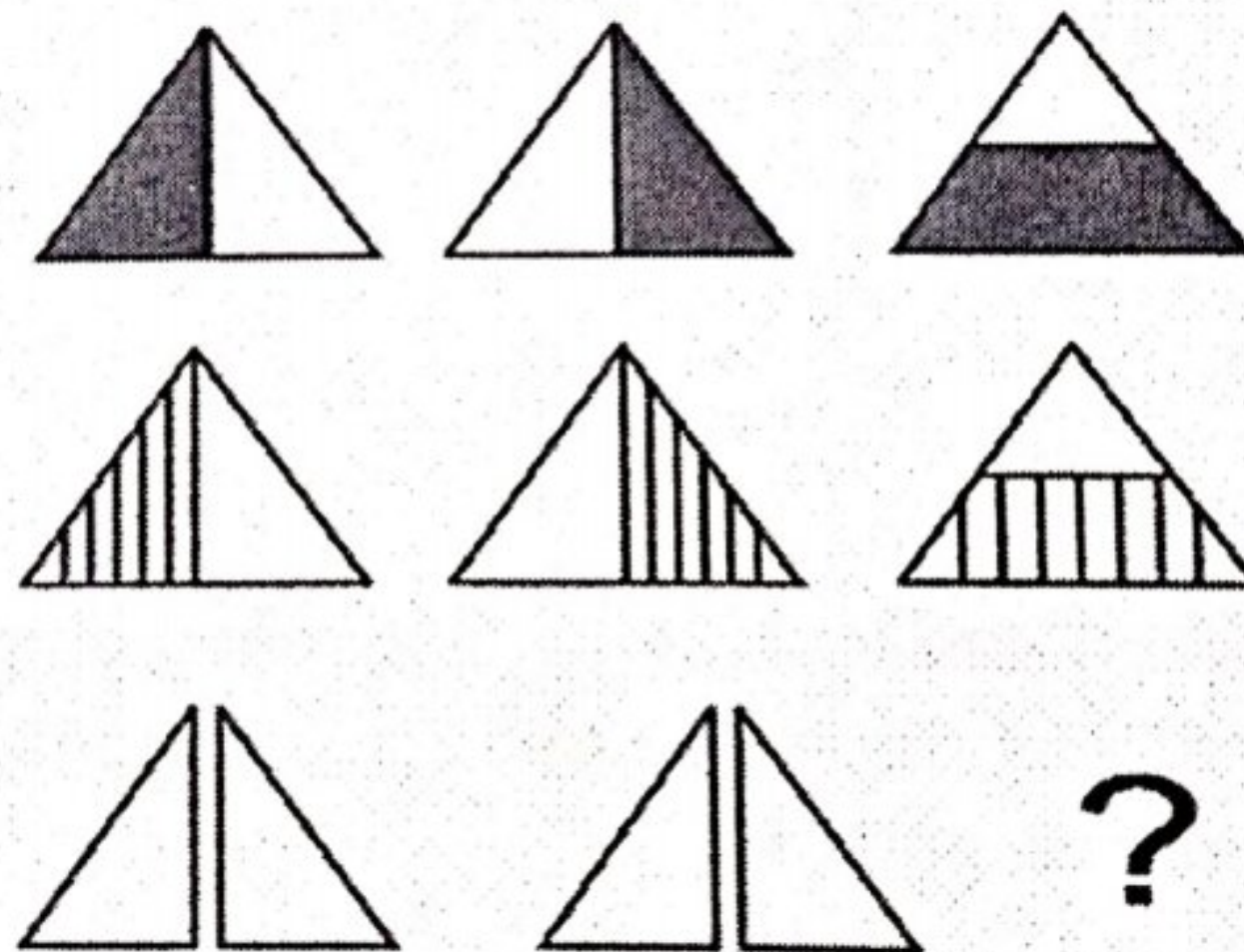
The solution is A. When you look at these images you see that the majority of the shapes are triangles, this is in contrast to image A which is a semicircle.

15. Choose the odd one out

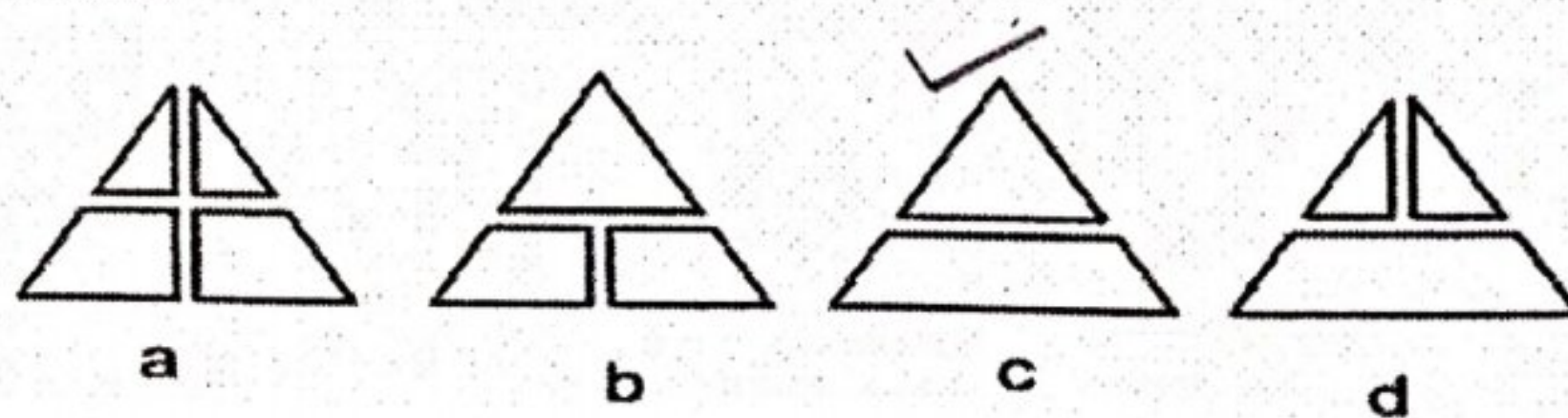


The answer is D. When looking at the circles within the sequence, you see that the dark section of the circles is the same size but in varying areas for each circle. This is not so with D, which has a different size and shape of the dark section than the majority of the shapes.

16. Choose the correct option to complete the pattern

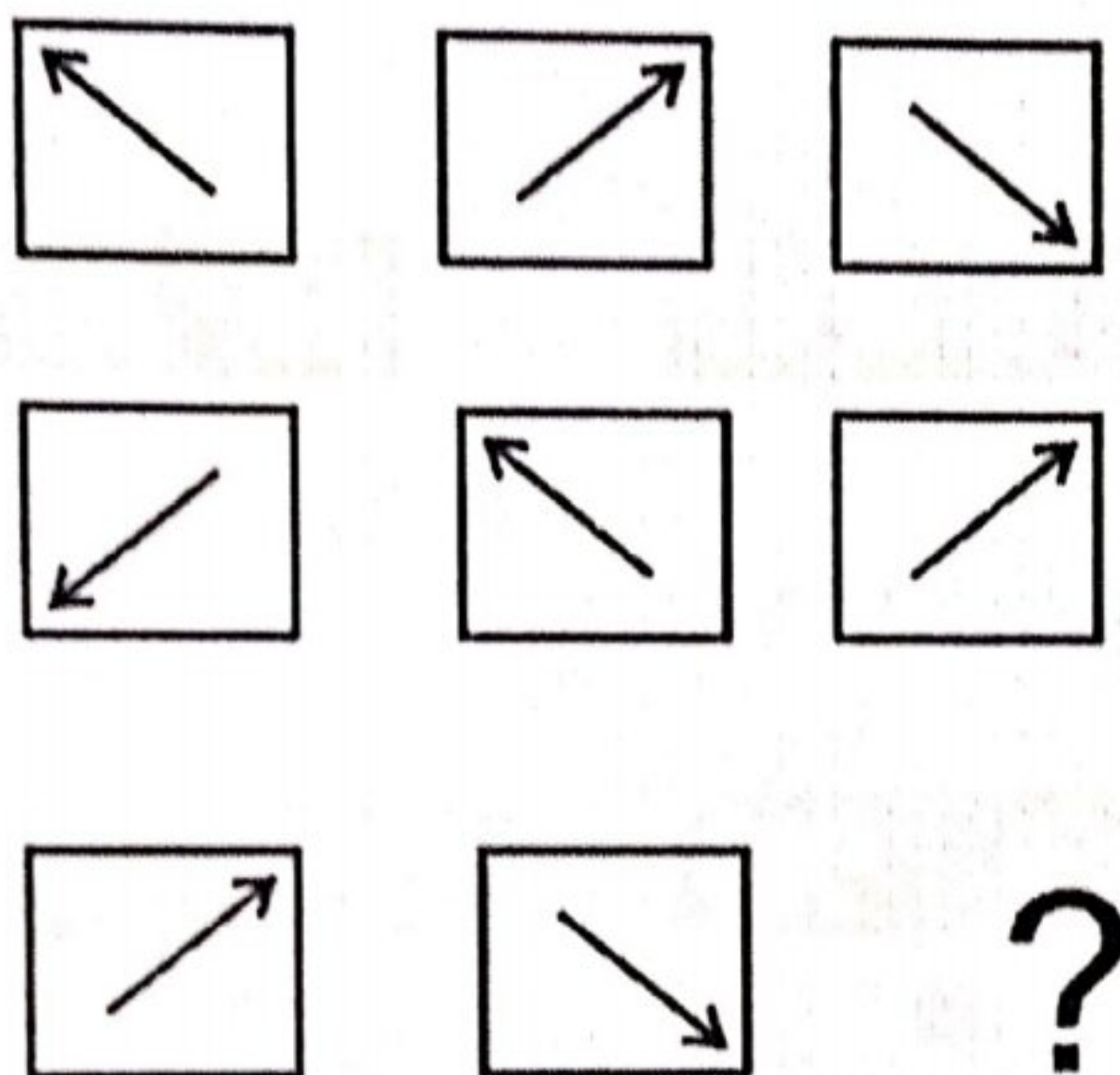


Answer:-

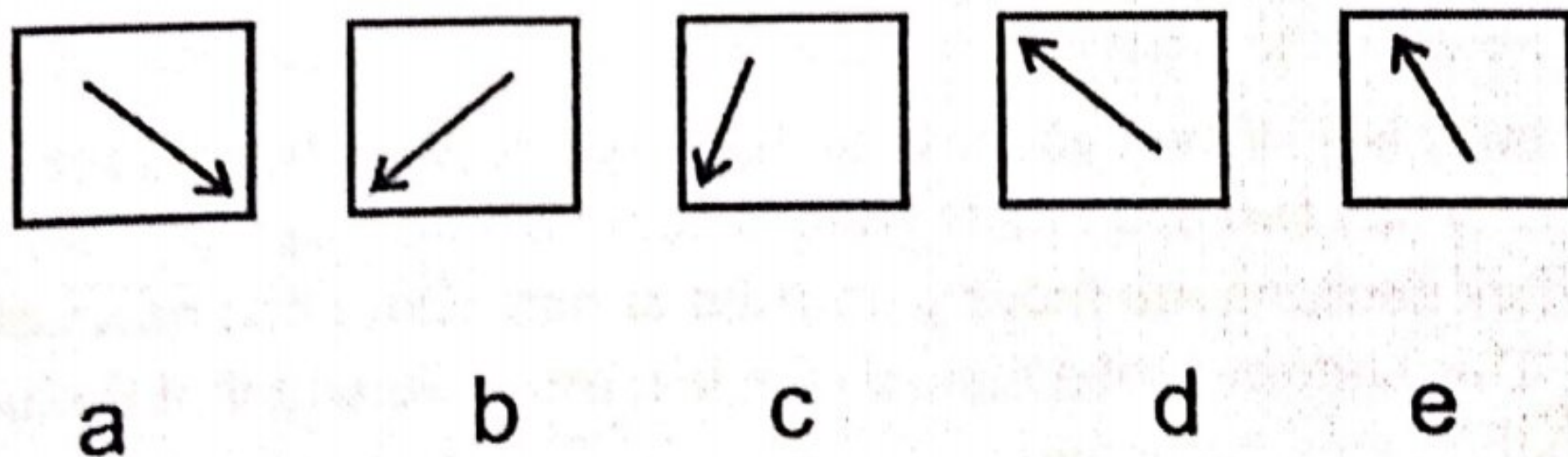


The answer is C. When you look at the first two rows of the images you see that the triangles are split in half vertically for the first two images in the rows. Then the third image is split horizontally, this means the solution will show a horizontal split as shown in the first two rows, this means the answer is C.

17. Choose the correct option to complete the pattern

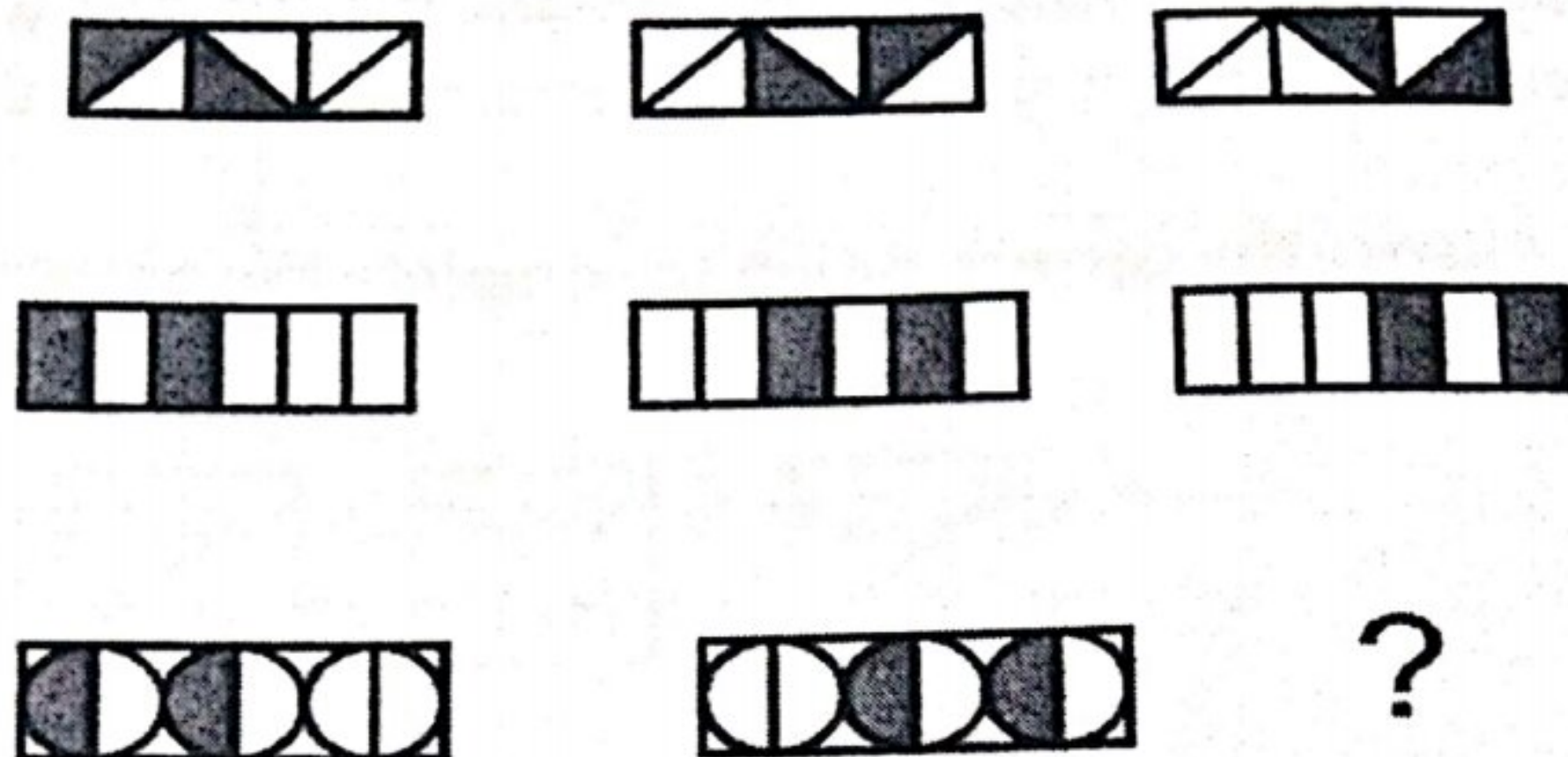


Answer:-

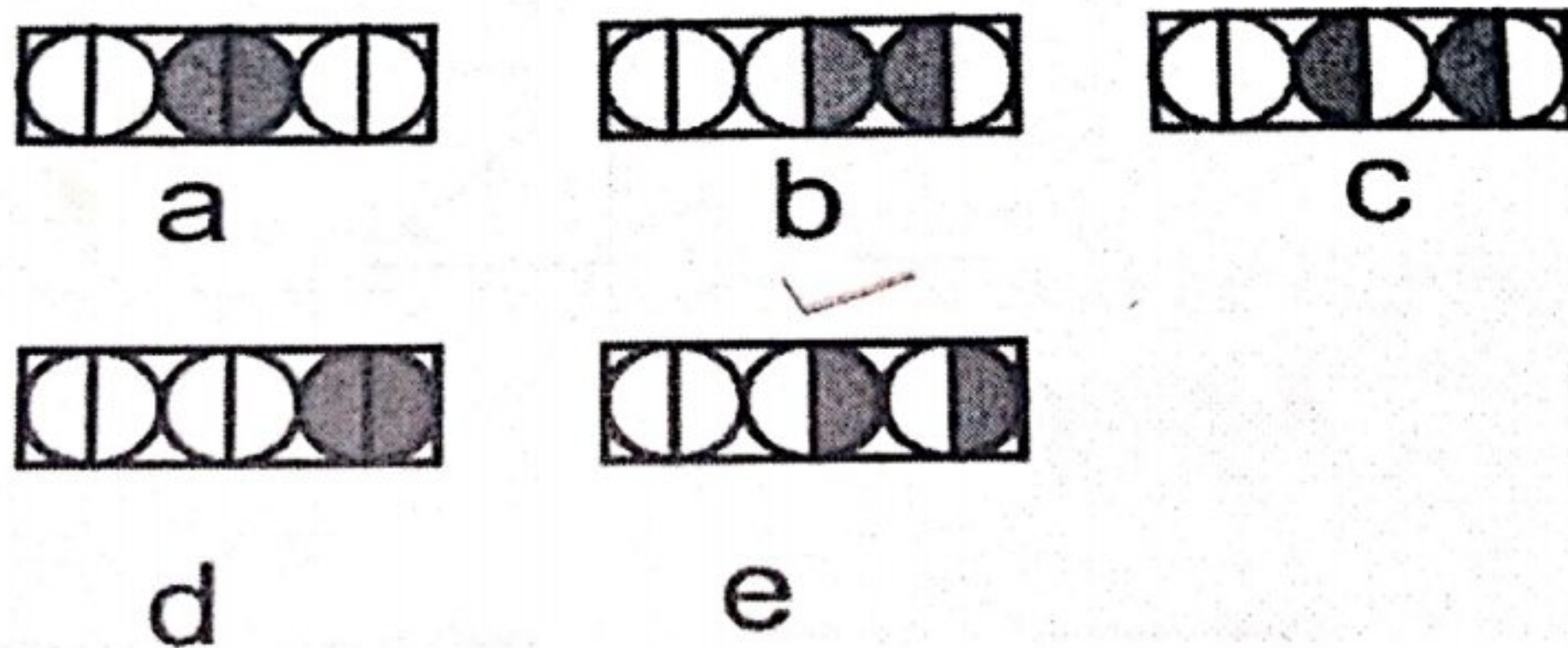


The answer is B. When you look at the image sequences, you see that the arrows are in diagonal angles within the squares presented. This rules out the answers C, D, and E. Furthermore, when looking at the last row of the images, you see that the arrow is pointing in the bottom right, this means that A is also ruled out as none of the sequences show consecutive repetition of the arrow positions. This means that B can be the only answer.

18. Choose the correct option to complete the pattern

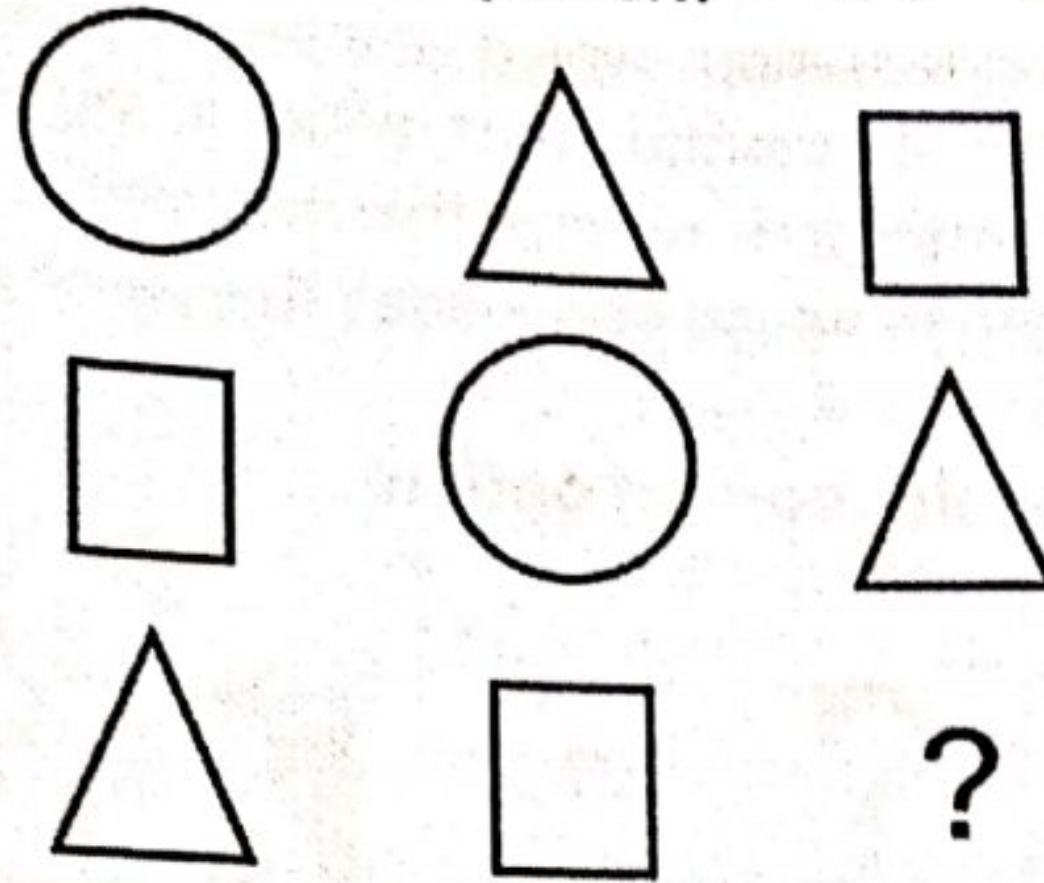


Answer:-

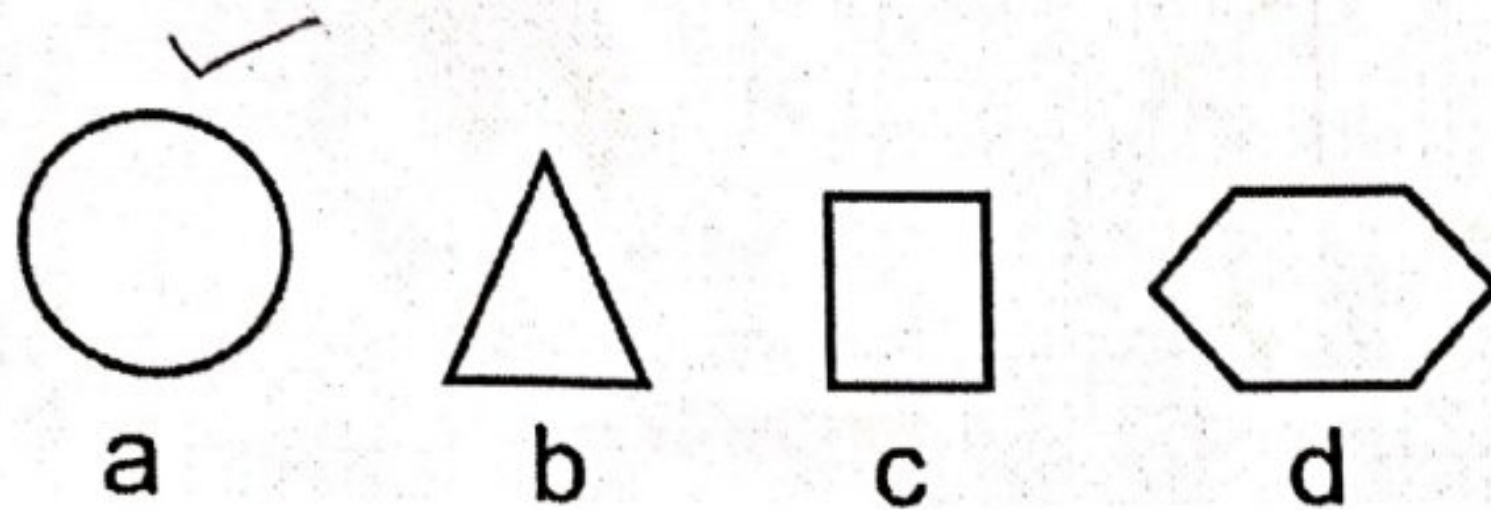


The answer is E. When you look at the sequences of the images, you see that each image only has two alternately spaces dark coloured sections within it. Additionally, these dark sections are moving from left to right with each new column of the image. This pattern continues with the last row meaning that the solution will contain the same patterned sections as the top two rows, point to the solution being E.

19. Choose the correct option to complete the pattern

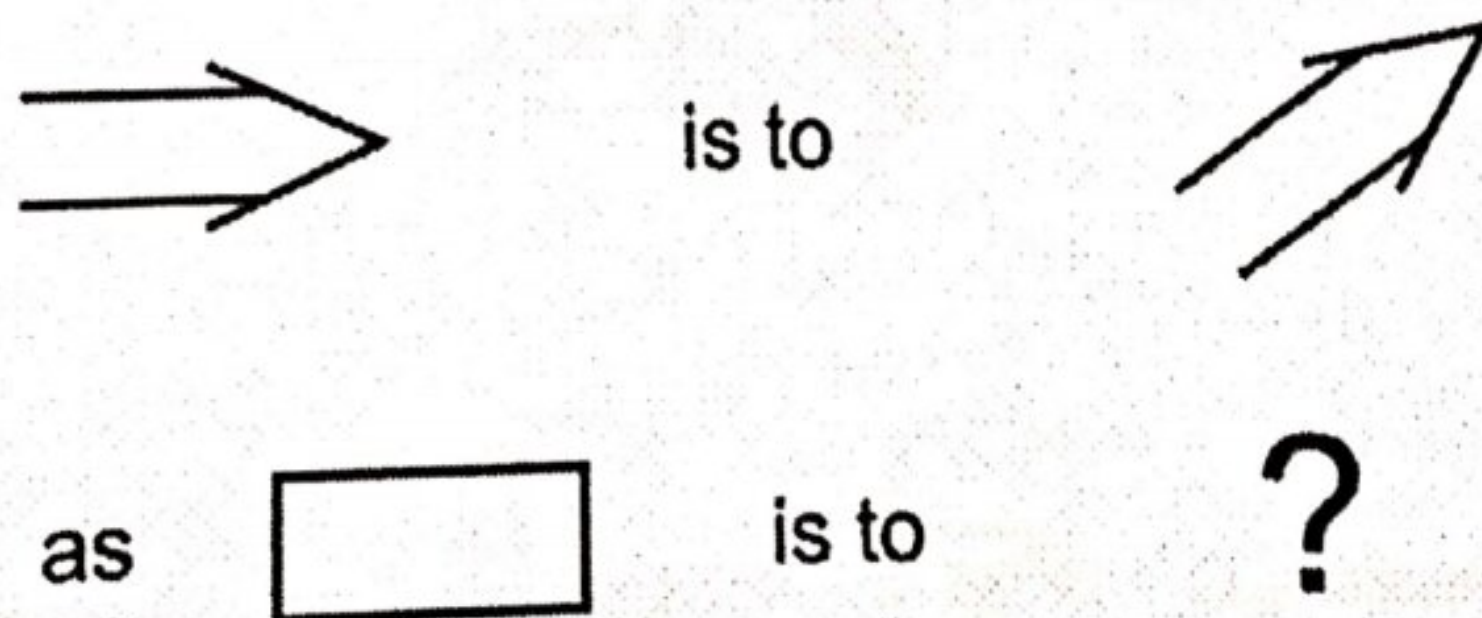


Answer:-

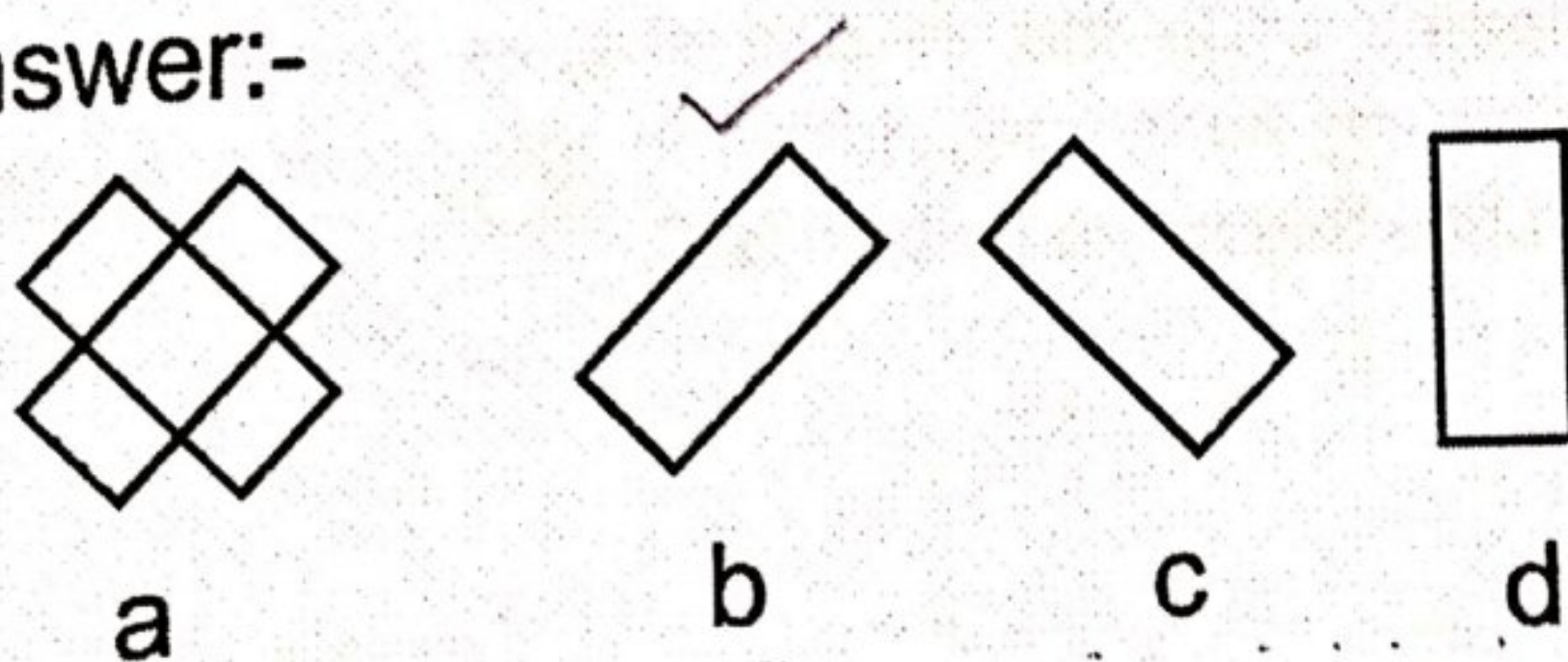


The answer is A. You see the sequences of the images, showing the same three shapes in each row which is the circle, the triangle, and the square. This means the solution will be the missing shape within our third row of images. Seeing as we have a triangle and a square, this means that the missing shape is the circle which is answer A.

20. Choose the correct option

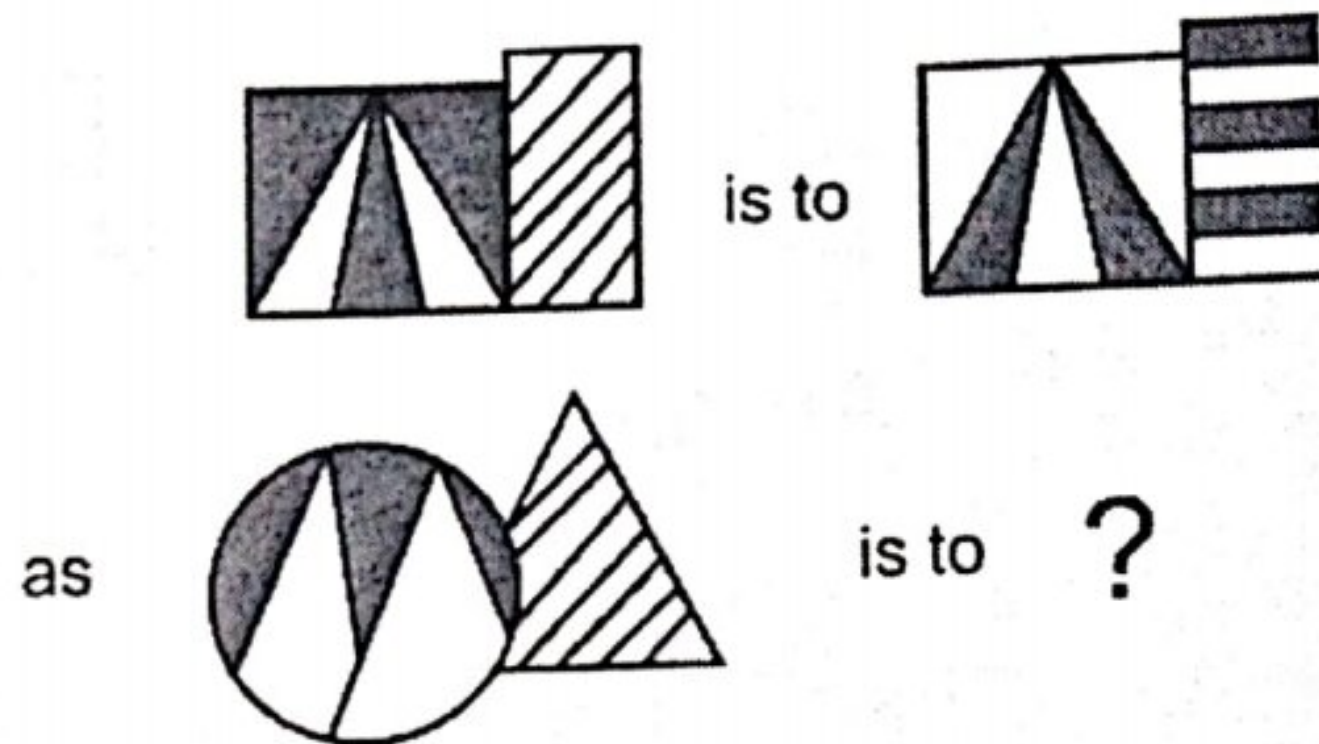


Answer:-

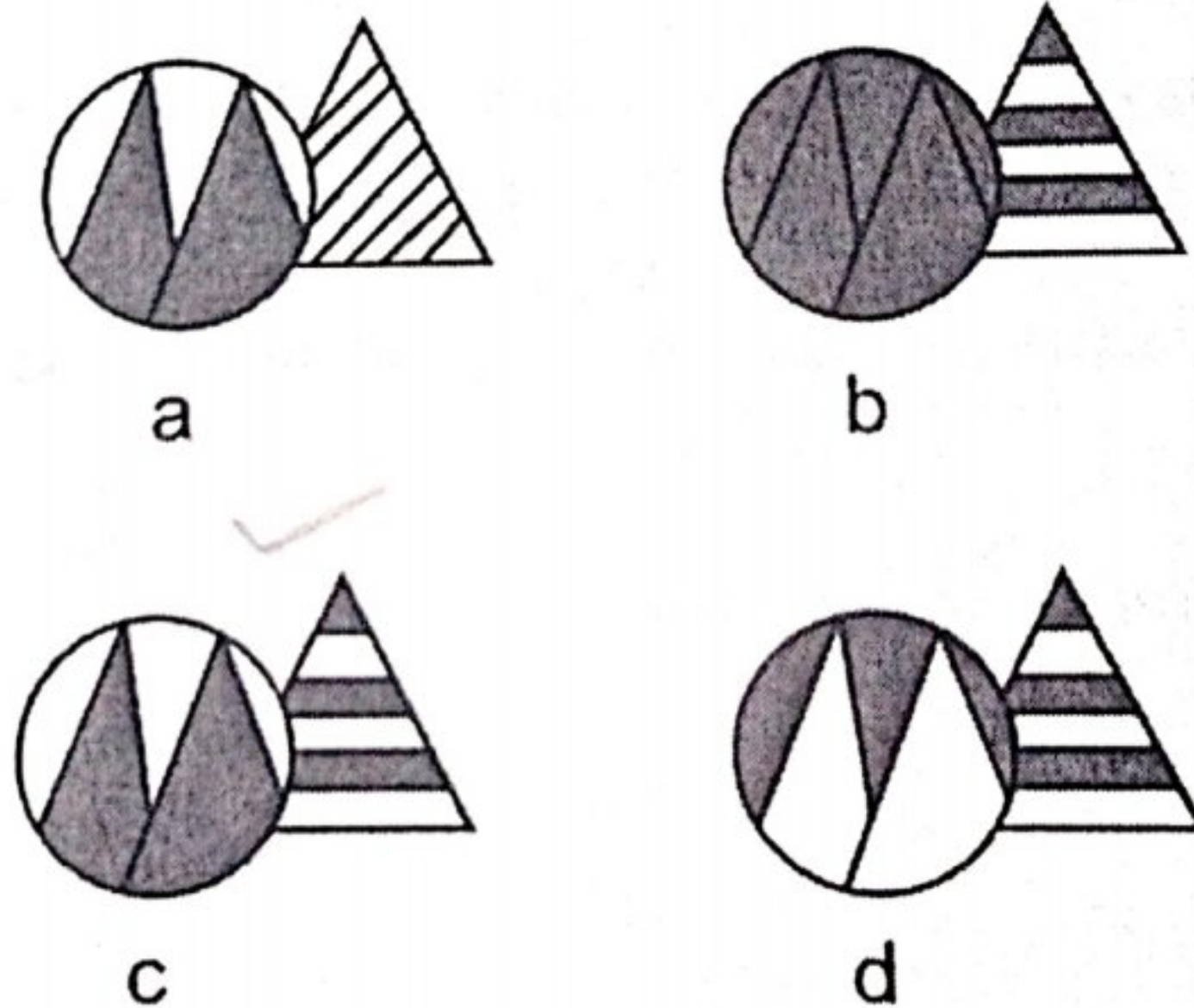


The answer is B. When you look at the first row of images, you see the arrow in a horizontal orientation, which is then shifted to a diagonal orientation in the second image. This horizontal orientation is also taken on by the last image we are presented with, this means that the solution will also hold a diagonal orientation. The only image which possesses the same orientation as the second image is B.

21. Choose the correct option

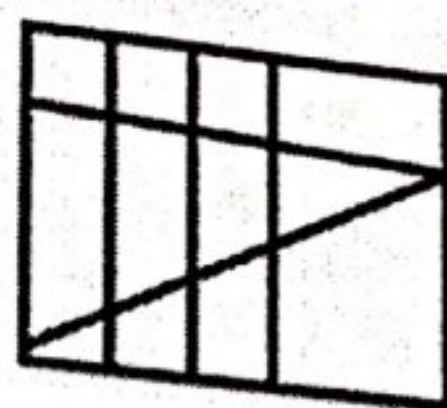


Answer:-

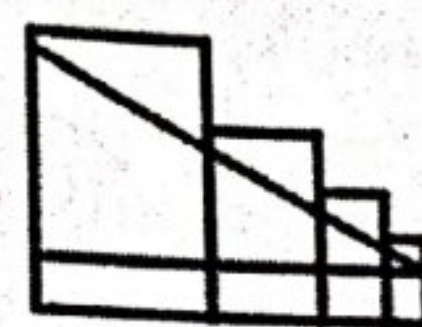


The answer is C, When you look at the first row of images, you see that the first two images show that the first shape within their composition has alternating color schemes while the second shapes pattern changes from just diagonal lines to alternating horizontal stripes in the second image's shape. The only answer that matches this same pattern is C.

22. Choose the correct option



is to



as



is to

?

Answer:-



a



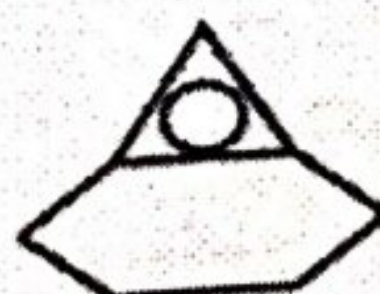
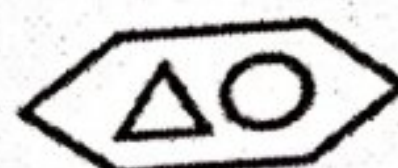
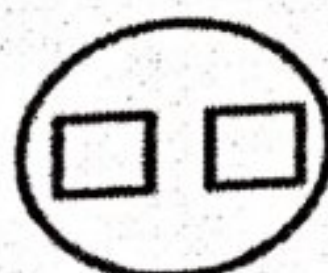
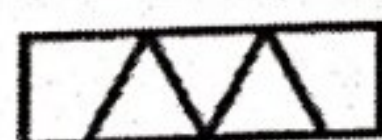
b



c

The answer is B. When you look at the first row you see that the pattern and the shapes of the images are mirrored and inverted. This means that the second rows images will follow the same pattern, this points to B being the answer.

23. Choose the correct option

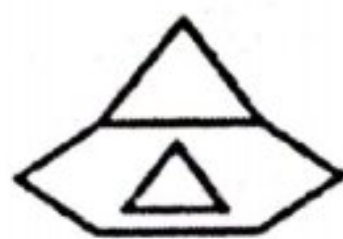


?

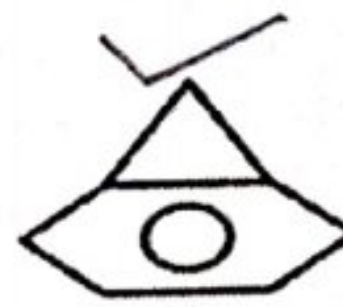
Answer:-



a



b



c



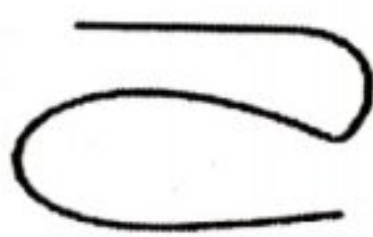
d



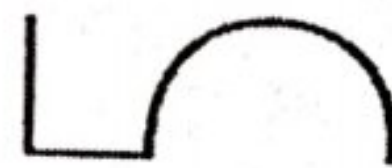
e

The answer is C. When you see the rows of the images, you notice that the first and third image in each row has the inner shapes within the first image are stacked in the third image with one of those inner shapes remaining inside the outer shape and one of the other inner shapes positioned on top of the outer shape. The only answer with this same pattern is C.

24. Choose the correct option



is to



as



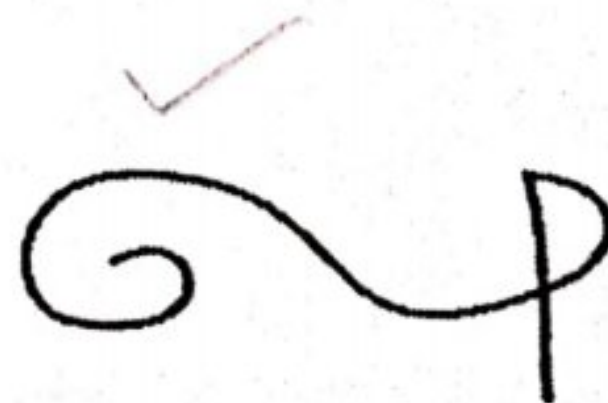
is to



Answer:-



a



b



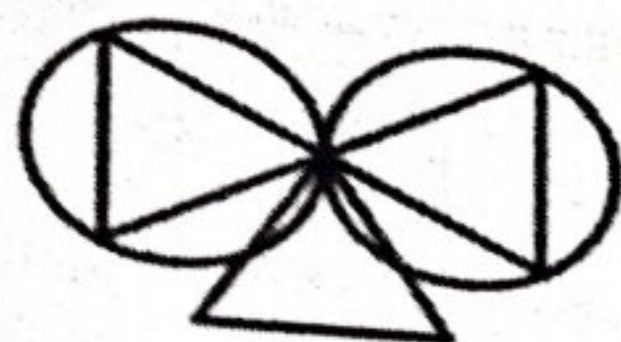
c



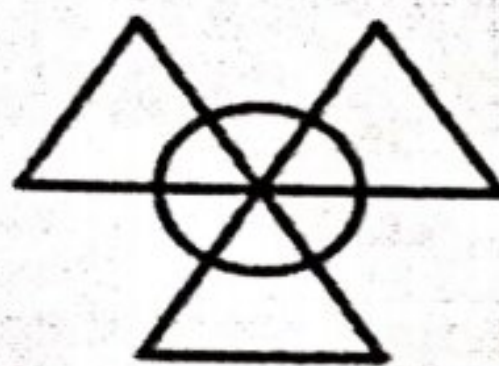
d

The answer is B. When you look at the first row you see that the 5 in the first image has been turned from a vertical orientation to a horizontal one, then this horizontal image is mirrored. When you do the same actions to the third image, the answer is B.

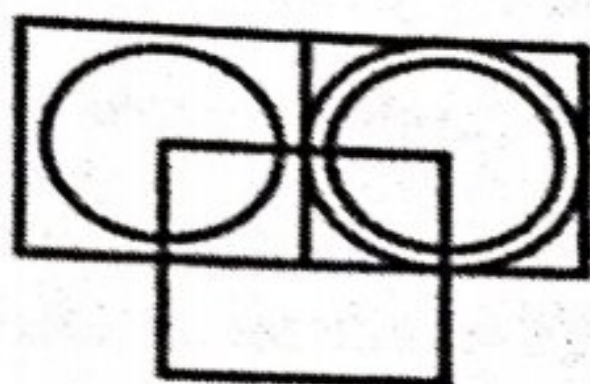
25. Choose the correct option



is to



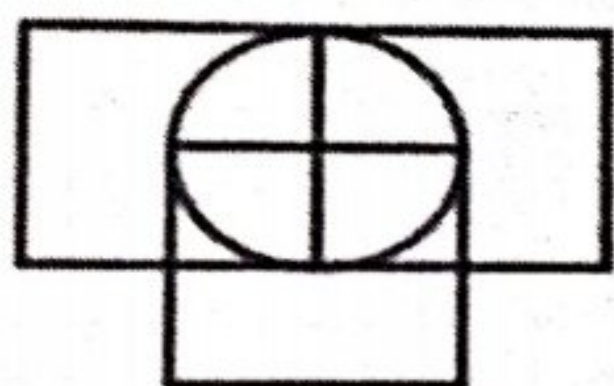
as



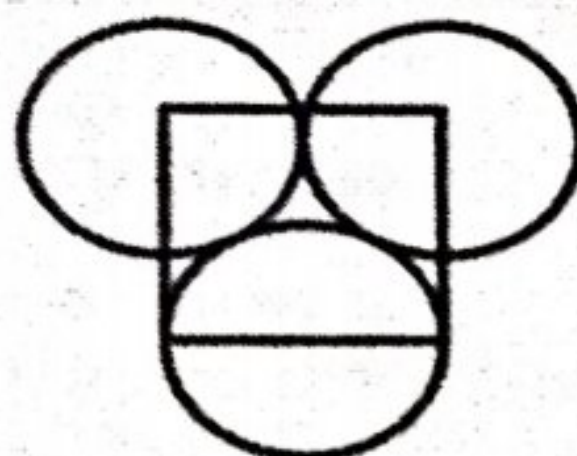
is to

?

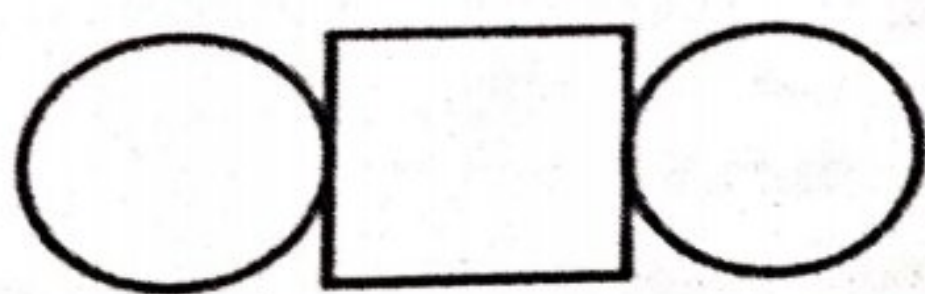
Answer:-



a



b



c



d

The answer is B. When you look at the first row, you see that the shapes that comprise the first image are inverted within the second image. The circles that were around the triangles are now in the center of them. When applying the same actions to the third image, the squares on the outside of the circles are now put into the center, leading to answer B.

PHYSICS

Practice Test 1

1. The angle subtended at the center of a sphere by its surface area is equal to:
A. $4/3\pi$ radian B. $4/3\pi$ steradian
C. 4π steradian D. 2π steradian
2. If 7.635 and 4.81 are two significant numbers, their multiplication in significant digits is:
A. 36.72435 B. 36.724
C. 36.72 D. 36.7
3. The magnitude of the resultant of two forces is $2F$. If the magnitude of each force is F , Then the angle between these forces is:
A. 0° B. 90°
C. 120° D. 180°
4. $\hat{i}(\hat{k} \times \hat{j})$ is equal to
A. -1 B. Zero
C. 1 D. 2
5. Three vectors of equal magnitude are acting on the three sides of an equilateral triangle. The magnitude of their resultant is
A. Zero B. 3
C. $\sqrt{3}$ D. 1.73
6. The physical quantity which produces angular acceleration in the body is:
A. Force B. Moment of inertia
C. Impulse D. Torque
7. The point at which an applied force produces linear motion but no rotatory motion is:
A. Mid-point B. Centre of gravity
C. Optical centre D. Pole
8. Bodies which fall freely under the action of gravity is an example of:
A. Uniform acceleration
B. Variable acceleration
C. Uniform velocity
D. Average acceleration
9. Crystalline solids have the properties such as
A. Regular arrangement
B. Covalent bonding
C. Somewhat defective
D. All of them
10. A man throws a ball vertically upward in a compartment of an accelerated train. The ball will fall
A. In front of him
B. In his hand
C. Behind him
D. Beside him
11. A bomber drops a bomb, when it is vertically above the target. It misses the target because of:
A. Vertical component of the velocity of bomber
B. Force of gravity
C. Acceleration of the bomber
D. Horizontal component of the velocity of bomber
12. The property of the moving object by virtue of which it exerts force on the object that tries to stop it is:
A. Inertia of the body
B. Quantity of motion of body
C. Acceleration of body
D. All of these
13. The dot product of force and velocity is equal to:
A. Power
B. Impulse
C. Couple
D. Momentum
14. The escape velocity from the earth gravitational field depends upon:
A. Rotation of earth
B. Mass of body

- C. Radius of earth
D. Mass of earth
15. If the velocity of a body becomes half, the kinetic energy of the body will become:
A. One fourth B. Double
C. Four times D. Half
16. A 60 kg man in a lift which is moving upward with an acceleration of 4.9 ms^{-2} will have apparent weight of:
A. 588 N B. 294 N
C. 58.8 N D. 882 N
17. The apparent weight of a pilot when diving down in a jet plane with an acceleration of 9.8 m/s^2 will become:
A. Double B. Half
C. Negative D. Zero
18. The Geostationary satellites are:
A. Stationary with respect to earth
B. Rotating with the speed of earth
C. Rotating very fastly
D. Rotating very slowly
19. $[\text{ML}^{-1}\text{T}^{-1}]$ are the dimensions of:
A. Angular momentum
B. Power
C. Impulse
D. Viscosity
20. A two meter high tank is full of water. A hole is made in the middle of the tank. The speed of efflux is
A. 4.9 ms^{-1} B. 9.8 ms^{-1}
C. 4.42 ms^{-1} D. 3.75 ms
21. The quantity which specifies the displacement as well as the direction of motion in simple harmonic motion is the:
A. Phase angle
B. Angular frequency
C. Path difference
D. None of these
22. The number of loops in stationary waves depends upon:
A. Velocity of waves
B. Wavelength of waves
C. Nature of the medium
D. Frequency of waves
23. When the light enters from air to glass, it suffers a change in the:
A. Wavelength of light
B. Speed of light
C. Frequency of light
D. Wavelength and speed of light
24. Which one of the following properties of light does not change with the nature of medium?
A. Frequency of light
B. Wavelength of light
C. Speed of light
D. All of these
25. We can hear sound around the corner but cannot see because of:
A. Interference B. Diffraction
C. Polarization D. Dispersion
26. The powers of the objective and eye piece of telescope are 0.5 dioptre and 10 dioptre respectively. The magnifying power of telescope is:
A. 0.5 B. 10
C. 20 D. 0.05
27. At constant temperature when the volume of the given mass of gas is doubled its density becomes:
A. Double B. One forth
C. Four time D. Half
28. The process which is performed quickly is:
A. Isobaric process
B. Adiabatic process
C. Isothermal process
D. Isochoric process
29. The correct expression for the coulomb's force is:
A. $F = \frac{1}{k} \cdot \frac{q_1 q_2}{r^2}$ B. $F = k \frac{q_1 q_2}{r^2}$
C. $F = 4\pi \epsilon \frac{q_1 q_2}{r^2}$ D. $F = k \frac{r^2}{q_1 q_2}$
30. The wave nature of an electron is illustrated by its:
A. Photoelectric effect
B. Compton effect
C. Penetrating effect

- D. Diffraction
31. The Potential gradient between the two charged plates having separation of 0.5cm and potential difference of 12volts is:
 A. 240 NC^{-1} B. 24 NC^{-1}
 C. 2.4 NC^{-1} D. 2400 NC^{-1}
32. The rate of change of electric potential with respect to displacement is equal to:
 A. Potential gradient
 B. Electric potential energy
 C. Electric intensity
 D. Electric flux
33. A wire of uniform cross section A, length 1 and resistance R is cut into two equal pieces. The resistivity of each piece will be:
 A. The same B. One fourth
 C. Double D. One half
34. Two metallic conductors have the same value of resistivity. These conductors can be differentiated from the values of their:
 A. Temperature coefficient
 B. Resistance
 C. Conductance
 D. Conductivity
35. Two metallic wires are lying parallel. If the current in these wires be flowing in the same direction, the wires will:
 A. Attract each other
 B. Repel each other
 C. Have no force of attraction or repulsion
 D. Remain stationary
36. The SI unit of magnetic flux is weber which is equal to:
 A. NmA^{-1} B. Nm^2A^{-1}
 C. NA m^{-1} D. NmA^{-2}
37. An electron and proton are projected with same velocity normal to magnetic field which one will suffer greater deflection?
 A. Proton B. Electron
 C. Both will suffer greater deflection
 D. None of these
38. The magnetic field due to current in solenoid can be increased by
 A. Increasing the number of turns per unit length
 B. Using soft iron core
 C. Increasing the current
 D. All of these
39. $\frac{\text{Volt} \times \text{second}}{\text{ampere}}$ is equal to:
 A. Gauss B. Weber
 C. Henry D. Tesla
40. The counter torque produced in the moving coil of generator is called:
 A. Restoring torque
 B. Deflection torque
 C. Back motor effect
 D. All of these
41. The inductive reactance of the coil having inductance of 0.5 henry in which AC of 50Hz flows is:
 A. 94.2Ω B. 1.57Ω
 C. 157Ω D. 9.42Ω
42. In RLC series circuit when the frequency of AC source is very low, the circuit is a/an:
 A. Resistive circuit
 B. Capacitive circuit
 C. Inductive circuit
 D. Resonant circuit
43. Which of the following makes the motion of a perpetual motion machine a physical impossibility?
 A. First law of thermodynamics
 B. Second law of thermodynamics
 C. Third law of thermodynamics
 D. None of these
44. The process of combining low frequency signal with high frequency carries waves is called:
 A. Rectification
 B. Amplification
 C. Modulation
 D. Magnification
45. The ratio of volumetric strain to volumetric stress is called:
 A. Compressibility
 B. Young's modulus
 C. Bulk's modulus
 D. Shear's modulus

46. The substance which undergoes plastic deformation until it breaks is:
 A. Ductile substance
 B. Brittle substance
 C. Plastic substance
 D. All of these
47. Choose the region of the spectrum which would be used to determine the structure of crystalline solids:
 A. Visible
 B. Infrared
 C. X-rays
 D. Ultraviolet
48. The depletion region contains:
 A. Electrons
 B. Holes
 C. Electrons and holes
 D. No holes and no electrons
49. The process by which the potential barrier of the depletion region can be increased or decreased is called:
 A. Amplification
 B. Biasing
 C. Modulation
 D. Doping
50. The colour of light emitted by light emitting diode depends upon:
 A. Forward voltage
 B. Reverse current
 C. Forward current
 D. Type of semiconductor

Answer key: Physics

1.	C	2.	D	3.	A	4.	B	5.	A
6.	D	7.	B	8.	A	9.	A	10.	B
11.	D	12.	A	13.	A	14.	C	15.	A
16.	D	17.	D	18.	A	19.	D	20.	C
21.	A	22.	D	23.	D	24.	A	25.	B
26.	C	27.	D	28.	B	29.	B	30.	D
31.	D	32.	A	33.	A	34.	B	35.	A
36.	A	37.	B	38.	D	39.	C	40.	C
41.	C	42.	B	43.	B	44.	C	45.	A
46.	A	47.	C	48.	D	49.	B	50.	D

Concept Notes

2. Product of values will contain the least number of significant figures of the given multiples 4.81 contains 3 digits, so that the answer.
8. Free face bodies fall with uniform acceleration, $g = 9.8/s^2$ near the earth surface.
 (a) Not possible
 (b) Might be possible if we consider fluid friction but not here
 (c) Not sensible
16. $T = m(g + a) = 60(9.8 + 4.9) = 882N$
24. (a) Depends upon the source of generation
 (b) Decreases in denser medium
 (c) Decreases in denser medium
32. (a) Definition of potential of a gradient.
 (b) It is the product of charge and volts
 (c) It is equal to the negative of the gradient of potential
 (d) It is dot product of \vec{E} and vector area \vec{A}
38. $B = \mu_0 nI$
 \therefore Formula shows "B" will increase either by increase "n", I or μ_0
 Where n = No. of turns per unit length, I = current μ_0 = medium of core
48. Instead it contains ion, electrons and holes are in N-type and P-type side.

Practice Test 2

1. Mass defect of an atom refers to
 - A. Inaccurate measurement of mass of nucleons
 - B. Mass annihilated to produce energy to bind the nucleus
 - C. Packing fraction
 - D. Difference in number of neutrons and protons in the nucleus
2. In alternating current the average value of current in cycle is:
 - A. Zero
 - B. Constant
 - C. Positive
 - D. Maximum
3. Radioactivity is purely a nuclear phenomenon, and is not affected by
 - A. Physical or chemical reaction
 - B. Temperature
 - C. Pressure
 - D. All of these
4. A radioactive reaction is ${}_{92}\text{U}^{238} \rightarrow {}_{82}\text{Pb}^{206}$. How many α and β particles are emitted?
 - A. $10\alpha, 6\beta$
 - B. 4 protons, 8 neutrons
 - C. 6 electrons, 8 protons
 - D. $6\beta, 8\alpha$
5. The time taken by the entire electron pulse to reach anode, in Geiger Muller tube is
 - A. 1 ms
 - B. Less than $1\mu\text{s}$
 - C. More than $1\mu\text{s}$
 - D. None of these
6. Geiger Muller counter can be used to determine the
 - A. Range of ionizing particle
 - B. Mass of ionizing particle
 - C. Charge of ionizing particle
 - D. None of these
7. In a nuclear reaction, which of the following is conserved?
 - A. Atomic number only
 - B. Mass number only
 - C. Atomic number, Mass number and Energy
 - D. Energy only
8. The half-life (T) and the disintegration constant (λ) of a radioactive substance are related as
 - A. $\lambda T = 1$
 - B. $\lambda T = 0.693$
 - C. $\frac{T}{\lambda} = 0.693$
 - D. $\frac{\lambda}{T} = 0.693$
9. Which of the following is true?
 - A. Lyman series is a continuous spectrum
 - B. Balmer series is a line spectrum in the ultraviolet
 - C. Panchen series is a line spectrum in the infrared
 - D. The spectral series formula can be derived from the Rutherford model of the hydrogen atom
10. Typical source of β -particle is
 - A. Radon 222
 - B. Cobalt 62
 - C. Strontium 94
 - D. None of these
11. The effect of the decrease in pressure with the increase in speed of the fluid in horizontal tube gives that:
 - A. Torricelli's effect
 - B. Bernoulli's effect
 - C. Venturi effect
 - D. Doppler effect
12. For better resolution and clear visibility through microscope we use:
 - A. Longer wavelength light
 - B. Shorter wavelength light
 - C. Wavelength has no effect
 - D. It depends only on design of microscope not on light
13. Which of the following processes will result into fission reaction?

- A. ${}_{92}\text{U}^{235}$ is bombarded with fast moving neutrons
 B. ${}_{92}\text{U}^{235}$ is bombarded with thermal neutrons
 C. U^{238} is bombarded with slow moving neutrons
 D. U^{235} being unstable breaks into smaller fragments
14. Which one of the following is possible?
 A. ${}_{7}\text{N}^{14} + {}_{0}\text{n}^1 \rightarrow {}_{7}\text{N}^{16} + {}_{1}\text{H}^1$
 B. ${}_{16}\text{S}^{32} + {}_{1}\text{H}^1 \rightarrow {}_{17}\text{Cl}^{35} + {}_{2}\text{He}^4$
 C. ${}_{8}\text{O}^{16} + {}_{0}\text{n}^1 \rightarrow {}_{7}\text{N}^{14} + 3 {}_{1}\text{H}^1 + 2 {}_{-1}\beta^0$
 D. ${}_{1}\text{H}^1 + {}_{1}\text{H}^1 \rightarrow {}_{2}\text{He}^4$
15. Which of the following is an example of vector product of two vectors?
 A. Linear momentum
 B. Angular momentum
 C. Force
 D. Electric flux
16. The radius of second orbit of Hydrogen atom is
 A. 0.53 \AA B. 2.12 \AA
 C. 3.53 \AA D. 4.12 \AA
17. Elements with atomic number $Z > 82$ are
 A. Stable B. Unstable
 C. Small D. None
18. The number of neutrons 'N' is equal to
 A. $N = A - Z$
 B. $N = A + Z$
 C. $N = A \times Z$
 D. $N = \frac{1}{2} A + Z$
19. When sound waves move from one medium to other medium the quantity which remains unchanged is:
 A. Wavelength B. Frequency
 C. Speed D. Intensity
20. Rutherford's experiments on scattering of α -particles proved that:
 A. Atom is mostly empty
 B. Positive charge is uniformly distributed in the atom
 C. Number of positive charges is equal to the number of negative charges
 D. Atoms contain electrons
21. Which of the following sources give discrete emission spectrum?
 A. Incandescent electric bulb
 B. Sun
 C. Mercury vapour lamp
 D. Candle
22. When a hydrogen atom is raised from the ground state to an excited state
 A. P.E. increases and K.E. decreases
 B. P.E. decreases and K.E. increases
 C. Both kinetic energy (K.E) and potential energy (P.E) increases
 D. Both K.E. and P.E. decreases
23. The half-life of a radioactive substance is 10 days. This means that
 A. The substance completely disintegrates in 20 days
 B. The substance completely disintegrates in 40 days
 C. $\frac{1}{8}$ part of the mass of the substance will be left intact at the end of 40 days
 D. $\frac{7}{8}$ Part of the mass of the substance disintegrates in 30 days.
24. In step up transformer when the alternating voltage increases then the alternating current:
 A. Will increase
 B. Will decrease
 C. Will not change
 D. None of the above
25. The transition of the electron takes place from $n = 2$ orbit to $n = 1$ orbit. Which of the following give the shortest wavelength?
 A. Hydrogen atom
 B. Deuterium atom
 C. Single ionized helium
 D. Doubly ionized helium
26. A one microfarad capacitor of a TV is subjected to 4000 V potential difference. The energy stored in capacitor is
 A. 8 J B. 16 J
 C. $4 \times 10^{-3} \text{ J}$ D. $2 \times 10^{-3} \text{ J}$

27. A parallel plate condenser with oil between the plates (dielectric constant of oil $k = 2$) has a capacitance C . If the oil is removed, then capacitance of the capacitor becomes
- A. $\sqrt{2}C$ B. $2C$
 C. $\frac{C}{\sqrt{2}}$ D. $\frac{C}{2}$
28. A metal plate of thickness half the separation between the capacitor plates of capacitance C is inserted. The new capacitance is
- A. C B. $C/2$
 C. Zero D. $2C$
29. As the electron in Bohr orbit of hydrogen atom passes from state $n = 2$ to $n = 1$, the kinetic energy K and potential energy U change as
- A. K two-fold, U also two-fold
 B. K four-fold, U also four-fold
 C. K four-fold, U two-fold
 D. K two-fold, U four-fold
30. In Bohr's model of hydrogen atom, let PE represent potential energy, and TE the total energy. In going to a higher orbit
- A. PE increases, TE decrease
 B. PE decreases, TE increases
 C. PE increases, TE increases
 D. PE decreases, TE decreases
31. A photon of X-rays of 10.2 eV energy is absorbed by hydrogen atom. This will raise an electron from $n=1$ orbit to which one of the following orbits?
- A. $n=2$ B. $n=3$
 C. $n=4$ D. $n=5$
32. Aging process of the human body is slowed by motion at
- A. Very slow speed
 B. Very high speed
 C. Very high speed along a circular path
 D. None of these
33. The amount of energy needed to remove electrons from the metal surface depends upon
- A. Work B. Work Function
 C. Power D. Wavelength
34. When scattered X-ray photons are observed at $\theta = 90^\circ$, the Compton shift $\Delta\lambda$ equal to
- A. Compton shift
 B. Compton wavelength
 C. Full wavelength
 D. None of these
35. The transitions of inner-shell electrons in heavy atoms give
- A. α -rays B. β -rays
 C. γ -rays D. X-rays
36. The temperature scale which is independent of the nature of the working substance is:
- A. Celsius scale
 B. Fahrenheit scale
 C. Centigrade scale
 D. Thermodynamic scale
37. The period of a pendulum is measured to be 3.0 s in the inertial frame of the pendulum. Find the period by an observer moving at 0.95 C with respect to pendulum
- A. 5.6 s B. 7.9 s
 C. 9.6 s D. 9.8 s
38. A photocell with a constant potential difference of V volt across it illuminated by a point source from a distance of 25 cm. When the source is moved to a distance of 1m, the electrons emitted by the photocell
- A. Carry 1/4th their previous energy
 B. Are 1/16th as numerous as before
 C. Are 1/4th as numerous as before
 D. Carry 1/4th their previous momentum
39. The heat engine operating in reverse is called:
- A. Electric generator
 B. Refrigerator
 C. Carnot engine
 D. Electric motor
40. Light of certain wavelength and intensity ejects photoelectrons from a metal plate. Then this beam is replaced by another beam of smaller wavelength and smaller intensity. As a result:
- A. No change occurs

- B. Emission of photoelectrons stops
 C. K.E. of the photoelectrons decreases but the strength of the photoelectric current increases
 D. K.E. of the photoelectrons decreases but the strength of the photoelectric current decreases.
41. In a nuclear reaction, which of the following is conserved?
 A. Atomic number only
 B. Mass number only
 C. Atomic number, Mass number and Energy
 D. Energy only
42. When X-rays pass through strong uniform magnetic field, then they
 A. Do not get deflected at all
 B. Get deflected in the direction of the field
 C. Get deflected in the direction opposite to the field
 D. Get deflected in the direction perpendicular to the field
43. The frequencies of X-rays, γ -rays and ultraviolet rays are respectively a, b and c. Then
 A. $a > b, b > c$
 B. $a < b, b > c$
 C. $a < b, b < c$
 D. $a > b, b < c$
44. Emitter of the transistor has greater concentration of impurity as compared to
 A. Base only
 B. Collector only
 C. Both base and collector
 D. None of the above options
45. Two inputs of NAND gates are shorted. This gate is equivalent to
 A. OR gate
 B. AND gate
 C. NOT gate
 D. XOR gate
46. In L.C.R series A.C. circuit, the phase angle between current and voltage is
 A. Any angle between 0 and $\pm \frac{\pi}{2}$
 B. $\frac{\pi}{2}$
 C. π
 D. Any angle between 0 and $\frac{\pi}{2}$
47. The force on electron in electric field of 10^8 NC^{-1}
 A. 1.6×10^{-4}
 B. 1.6×10^{-8}
 C. 1.6×10^{-10}
 D. 1.6×10^{-11}
48. Cause of heat production in a current carrying conductor is
 A. Collisions of free electrons with one another
 B. High drift speed of free electrons
 C. Collisions of free electrons with atoms or ions of conductor
 D. High resistance value
49. A point charge Q is placed at the mid-point of a line joining two charges, 4q and q. If the net force on charge q is zero, then Q must be equal to
 A. -q
 B. +q
 C. -2q
 D. +4q
50. Find the average speed of oxygen molecule in the air at S.T.P.
 A. 591 ms^{-1}
 B. 461 ms^{-1}
 C. 396 ms^{-1}
 D. 372 ms^{-1}

Answer key: Physics

1.	B	2.	A	3.	D	4.	D	5.	B
6.	A	7.	C	8.	B	9.	C	10.	C
11.	C	12.	B	13.	B	14.	C	15.	B
16.	B	17.	B	18.	A	19.	B	20.	A
21.	C	22.	A	23.	D	24.	B	25.	D
26.	A	27.	D	28.	D	29.	C	30.	C
31.	A	32.	B	33.	B	34.	B	35.	B
36.	D	37.	C	38.	B	39.	B	40.	D
41.	C	42.	A	43.	B	44.	C	45.	C
46.	A	47.	D	48.	C	49.	A	50.	B
51.	B	52.	B	53.	B	54.	C	55.	C
56.	D	57.	C	58.	B	59.	A	60.	C

Concept Notes

2. As the number of values of +ve half cycle are equal to the number of values of -ve half cycle. Its r.m.s is not zero.
11. A. It is related to speed of efflux
B. It is a theorem not effect
D. It is related to waves
12. (a) More diffracted
(b) Less diffracted
(c) It affects the resolution
(d) It depends on both, design and light
15. $\vec{L} = \vec{r} \times \vec{P}$
19. Wavelength, speed and intensity decreases when waves move from rare to denser medium.
24. By this the energy will remain conserve.
36. D. An electromagnetic wave of high energy and very short wavelength, which is able to pass through many materials opaque to light is **called X rays**, X-rays are emitted when a highly energetic beam of charged particles such as electrons is rapidly decelerated.
B. **Beta particles** are a fast-moving electron emitted by radioactive decay of substances (originally regarded as rays).
C. **Gamma rays** are classically produced by the decay of atomic nuclei as they transition from a high energy state to a lower state known as **gamma** decay
36. The working of the rest of the scales dependent on working substance. It is the absolute measure of temp.
39. Refrigerator takes heat from low temperature and transmit it to high temperature i.e reverse of heat engine.
47. A **reaction** that changes the number of protons or neutrons in the nucleus in the nucleus of an atoms is called nuclear reaction, But total number, mass and energy remain conserved.
47. $F = q_e E = 1.6 \times 10^{-19} \times 10^8 = 1.6 \times 10^{-11} \text{ c}$

Practice Test 3

- What type of science is physics?
 - Living things
 - Non-Living things
 - Experimental science
 - Study of action and reaction and Experimental science
- The magnitude of the resultant of two forces is $2F$. If the magnitude of each force is F , Then the angle between these forces is:
 - 0°
 - 90°
 - 120°
 - 180°
- If the measuring scale has a least count of 10 Kg then in 8,000 kg the significant figures are
 - 4
 - 1
 - 3
 - 0
- Supplementary S.I units of radian and steradian were established to measure
 - Geometrical quantities
 - Luminous intensity
 - Electric current
 - Temperature
- S.I unit of magnetic flux is
 - Weber meter⁻²
 - Weber
 - Weber per meter
 - Weber per meter⁴
- The physical quantity which produces angular acceleration in the body is:
 - Force
 - Moment of inertia
 - Impulse
 - Torque
- When a vector is multiplied by a scalar of positive value, the product of the quantity will be
 - multiple of the vector quantity in the same direction
 - multiple of the vector quantity in the opposite direction
 - multiple of the vector quantity perpendicular to the original vector
 - none of the above
- The magnitude of vector \vec{A} , \vec{B} and \vec{C} are respectively 12, 5 and 13 units and $\vec{A} + \vec{B} = \vec{C}$ then the angle between \vec{A} and \vec{B} is
 - 0
 - $\pi/4$
 - $\pi/2$
 - π
- Three vectors satisfy the relation $\vec{A} \cdot \vec{B} = 0$ and $\vec{A} \cdot \vec{C} = 0$, then \vec{A} is parallel to
 - \vec{C}
 - $\vec{B} \cdot \vec{C}$
 - $\vec{B} \times \vec{C}$
 - \vec{C}
- No work is done by the body when angle between force and displacement is
 - 0°
 - 45°
 - 90°
 - 60°
- If the acceleration due to gravity at the earth's surface is 9.8 m/s^2 and the mass of the earth is 80 times that of the moon and radius of earth 4 times that of moon, the value of g at the moon's surface will be:
 - 9.8 m/s^2
 - 1.96 m/s^2
 - 4.9 m/s^2
 - None
- A particle of mass ' m ' at rest is acted upon by a force ' P ' for a time ' t '. Its kinetic energy after an interval ' t ' is
 - $\frac{P^2 t^2}{m}$
 - $\frac{P^2 t^2}{2m}$
 - $\frac{P^2 t^2}{3m}$
 - $\frac{Pt}{2m}$
- The dot product of force and velocity is equal to:
 - Power
 - Impulse
 - Couple
 - Momentum
- If a force acts on a body, whose action line does not pass through its centre of gravity, then the body will experience
 - Angular acceleration
 - Linear acceleration
 - No acceleration
 - None of these
- In which case application of angular velocity is useful?
 - When a body is rotating
 - When velocity of body is in a straight line

- C. When velocity is in a straight line
D. None of these
16. Centre of mass is a point
A. Which is geometric centre of a body
B. From which distance of particles are same
C. Where the whole mass of the body is supposed to be cantered
D. Which is the origin of reference frame
17. Angular momentum has the same unit as
A. Impulse \times distance
B. Linear momentum \times time
C. Work \times frequency
D. Power \times time
18. The flow is said to be streamline or laminar when every particle
A. Moves in different direction
B. Moves along the same path as
C. Slowly moves in one direction
D. None of these
19. The pressure will be low where the speed of the fluid is
A. Zero B. High
C. Low D. Constant
20. A two meter high tank is full of water. A hole is made in the middle of the tank. The speed of efflux is
A. 4.9 ms^{-1} B. 9.8 ms^{-1}
C. 4.42 ms^{-1} D. 3.75 ms
21. In case of a vibrating Pendulum, the potential energy is maximum at
A. Mean Position
B. Extreme Position
C. Both A and B
D. None
22. Specific response of a system which is able to oscillate with a certain period, to an external force acting with the same period is called
A. Time period B. Wavelength
C. Resonance D. Doppler's effect
23. A simple harmonic oscillator has a period of 0.01 second and an amplitude of 0.2 m. The magnitude of the velocity in ms^{-1} at the centre of oscillation is
A. 100 B. 100

- C. 20 D. 40
24. A spherical wave front is that which has
A. A source B. A point source
C. An extended source
D. None of these
25. We can hear sound around the corner but cannot see because of:
A. Interference B. Diffraction
C. Polarization D. Dispersion
26. Huygens's wave theory of light cannot explain
A. Diffraction
B. Interference
C. Polarization
D. Photoelectric effect
27. The tip of a needle does not give a sharp image. It is due to
A. Polarization B. Interference
C. Diffraction D. None
28. Sun has elliptical shape, when it rises and sets due to
A. Refraction
B. Reflection
C. Scattering
D. Dispersion
29. Number of electric lines of force passing through a certain area is known as:
A. Electric field
B. Electric flux
C. Electric intensity
D. Gravitational field
30. When a ray of light enters a glass slab from air
A. Its wavelength night increases
B. Neither its wavelength nor its frequency changes
C. Is frequency increases
D. Its wavelength decreases
31. Which of the following statements is correct for any thermodynamic system?
A. The internal energy changes in all processes.
B. Internal energy and entropy are state functions.
C. The change in entropy can never be zero.
D. The work done in an adiabatic process is always zero.

32. Kelvin scale can be applied at very low temperature because
 A. It is independent of nature of working substance
 B. It is linear over a wide range of temperature
 C. It is based on triple point of water
 D. None
33. Two metal rods A and B have their initial lengths in the ratio 2: 3 and coefficients of linear expansion in the ratio of 4:3. When they are heated through same temperature difference the ratio of their linear expansion is
 A. 1: 2 B. 2: 3
 C. 3: 4 D. 8: 9
34. Melting point of ice
 A. Increases with increasing pressure
 B. Decreases with increasing pressure
 C. Is independent of pressure
 D. Is proportional to pressure
35. Two metallic wires are lying parallel. If the current in these wires be flowing in the same direction, the wires will:
 A. attract each other
 B. repel each other
 C. have no force of attraction or repulsion
 D. remain stationary
36. On moving a charge of 20 coulombs by 2 cm, 2 J of work is done, then the potential difference between the points is
 A. 0.1 V B. 8 V
 C. 2 V D. 0.5 V
37. In a Millikan's oil drop experiment the charge on an oil drop is calculated to be 6.35×10^{-19} C. The number of excess electrons on the drop is
 A. 3.9 B. 4
 C. 4.2 D. 6
38. A charge Q is divided into two parts q and Q - q and separated by a distance R. The force of repulsion between them will be maximum when:
 A. $q = Q/4$ B. $q = Q/2$
 C. $q = Q$ D. None
39. The colour coded resistances are made by
 A. High grade Silver rods
 B. High grade Ceramic rods
 C. High grade Copper rods
 D. High grade Iron rods
40. A wire of radius r has resistance R. If it is stretched to a wire of $\frac{r}{2}$ radius, then the resistance becomes
 A. 2R B. 4R
 C. 16R D. Zero
41. A uniform resistance wire of length L and diameter d has a resistance R. Another wire of same material has length, 4L and diameter 2d, the resistance will be
 A. 2R B. R
 C. R/2 D. R/4
42. In RLC series circuit when the frequency of AC source is very low, the circuit is a / an:
 A. Resistive circuit
 B. Capacitive circuit
 C. Inductive circuit
 D. Resonant circuit
43. An electron of charge e coulomb passes through a potential difference of V volts. Its energy in 'joules' will be
 A. V/e B. eV
 C. e/V D. V
44. The resistance of voltmeter must have very high resistance because
 A. It does not draw any current
 B. It is very accurate
 C. It does not change circuit current considerably
 D. None of these
45. The voltage that is applied across the X plates is usually provided by a circuit that is built in the CRO. It is known as
 A. Time base generator
 B. Electric generator
 C. X supplier
 D. Power supply
46. A voltmeter has a resistance of 2000 ohms and it can measure up to 2V. If we want to increase its range to 10V then required resistance in series will be
 A. 2000 Ω B. 4000 Ω
 C. 6000 Ω D. 8000 Ω

47. In A.C. through capacitor circuit the v and q are as

- A. v leads q
- B. v lags q
- C. v and q are in phase
- D. None of these

48. At resonance, the phase angle for RLC series resonance circuit equals

- A. 0°
- B. 90°
- C. 180°
- D. 270°

49. An inductor coil when consume no energy is called

- A. A coil
- B. Choke
- C. Toroid
- D. None

50. The color of light emitted by light emitting diode depends upon:

- A. forward voltage
- B. reverse current
- C. forward current
- D. type of semiconductor

Answer key: Physics

1.	D	2.	A	3.	C	4.	A	5.	B
6.	D	7.	A	8.	C	9.	A	10.	C
11.	B	12.	B	13.	A	14.	A	15.	A
16.	C	17.	A	18.	B	19.	B	20.	C
21.	B	22.	C	23.	D	24.	B	25.	B
26.	D	27.	C	28.	A	29.	B	30.	D
31.	B	32.	A	33.	D	34.	B	35.	A
36.	A	37.	B	38.	A	39.	B	40.	C
41.	B	42.	B	43.	B	44.	C	45.	A
46.	D	47.	C	48.	A	49.	B	50.	D

Concept Notes

2. For 0° angle both forces will be parallel and give maximum resultant i.e $F+F=2F$

6. $\tau = I\alpha$ where I = moment of inertia = mr^2 constant and $\tau \propto \alpha$ = angular acceleration

13. When an object is moving at a constant velocity due to a constant force, then $P = \vec{F} \cdot \vec{V}$

$$v = \sqrt{2g(h_1 - h_2)} = \sqrt{2 \times 9.8(2-1)} = 4.42 \text{ ms}^{-1}$$

20. Sound waves are easily diffracted through building corners but not light waves, they required diffraction grating.

25. According to the right hand rule, magnetic field b/w the wires cancel each other and on the sides of wires push them to close each other.

35. $X_c = \frac{1}{\omega C}$ and $X_L = \omega L$, so at low frequency " X_c " will dominate over " X_L " and circuit will behave as a capacitive circuit and vice versa.

42. A unit of energy equal to the work done on an electron in accelerating it through a potential difference of one volt is called electron volt. One electron volt is equal to $1.6 \times 10^{-19} \text{ J}$
Electric potential energy = charge \times potential = $q \times V$

43. (a) It increases the forward current
(b) It breaks the junction
(c) It produces heat at the junction

ENGLISH

Practice Test 1

1. The more he learned _____ he served.
A. better B. the better
C. the best
2. Nadeem is very soon going to be _____.
A. employ B. employed
C. to employ
3. He had scarcely crossed the road _____ the bus came.
A. then B. when
C. before D. than
4. They had hardly reached their shelter _____ it rained.
A. then B. when
C. before D. than
5. Aslam and Akram are painters; _____ is the better.
A. the latter B. the later
C. the letter
6. He wanted to make him _____ easy.
A. write B. wrote
C. writing D. to write
7. _____ do you visit this place?
A. how often B. how oftenly.
C. how frequent
8. Drugs addiction _____ the mood and behavior of the addicts.
A. alters B. altering
C. altered D. to alter
9. _____ he write these answers but also speak them.
A. no only can B. not only
C. only not
10. The line is busy; someone _____ using telephone.
A. must B. must be
C. is D. will be
11. The power failure remained, _____ it was repaired.
A. as long as B. so long as
C. unless
12. He didn't go anywhere _____ his mother allows him.
A. as long as B. so long as
C. unless
13. The trees, uprooted by the windstorm are _____ in the middle of the road.
A. lie B. lying
C. lain D. laid
14. Heavy rains _____ the sea level.
A. rose B. raised
C. raising D. rising
15. Would you please, _____ make a noise?
A. not B. do not
C. don't D. no

Directions:

Choose the correct answer from the choices given below, closest in meaning given words:

16. Gaspd:
A. Breathed with open mouth
B. Breathed with close mouth
C. Breathed the last
D. Breathed comfortably
17. Suggestion:
A. Proposal B. Advice
C. Order D. Request
18. Tribute:
A. Homage B. Abasement
C. Reluctance D. Fidelity
19. Farewell:
A. Reception B. Good bye
C. Welfare D. Welcome
20. Feats:
A. Tricks B. Plans
C. Proposals D. Magics
21. Squeeze:
A. Wring B. Rinse
C. Shrink D. Expand
22. Brink:
A. Edge B. Top
C. Peak D. Slope
23. Fake:
A. Real B. Unreal
C. Copied D. Attained
24. Hind:
A. Rear B. Front
C. Middle D. Damaged
25. Mammals:
A. Animals that give birth
B. Animals that lay eggs
C. Animals that don't reproduce
D. Animals those are fierce

Directions:

Choose the correct answer from the choices given below closest in meaning to the original sentence/underlined words & phrases.

26. At the advent of Islam inhuman differences were rejected:
A. At the arrival of Islam
B. At the height of
C. At the acceptance of
D. At the exaltation of
27. In lieu to the loan he borrowed, he gave his marriage ring to the money lender:
A. In return B. Returning from
C. As an alternative
28. He knew why he abhorred the rich:
A. Why he detested the rich
B. Why he favoured the rich
C. Why he objected to the rich
D. Why he came across the rich
29. Trained soldiers crawled on the ground and reached the enemy:
A. Crept on the ground
B. Slept on the ground
C. Dug up the ground

- D. Left the ground
30. She is not entitled _____ the prize.
A. to B. of
C. with D. from
31. During subjugation, the Muslims remained backward.
A. while slavery
B. while freedom
C. while exile
D. while imprisonment
32. Nationalistic fervor was witnessed during the match between Indian and Pakistan cricket teams:
A. Excitement
B. Boredom
C. Discrimination
D. Trouble
33. Kashmir has been a bone of contention between India and Pakistan:
A. Cause of dispute
B. Cause of harmony
C. Cause of compromise
D. Cause of peace
34. The police confiscated illicit arms:
A. The police found illegal weapons
B. The police seized illegal weapons
C. The police licensed illegal weapons
D. The police produced before the court illicit arms

Directions:

Choose the correct answer to fill in the blanks below:

35. Who was held responsible _____ the loss?
A. of B. for
C. to D. by
36. They are much inclined _____ arts.
A. to B. from
C. for D. of
37. Please come _____ the room.
A. in B. to
C. into D. onto
38. Those who laugh _____ others take insufficient stock of themselves.
A. at B. on
C. to D. over
39. Herbal medication is very popular _____ the people of the third world.
A. with B. to
C. for D. of
40. He is not capable _____ the job.
A. for B. of
C. to D. with
41. If they failed me _____.
A. I will agree B. I would agree
C. I can agree D. I may agree
42. He is crying, he _____ broken his leg.
A. may be B. might have
C. will have D. could have
43. He wishes that he _____ law when he was in the university.
A. would study
B. would have studied
C. could have studied
D. studied

44. There is _____ reason to worry about him.
A. not B. don't
C. no
45. Some of the trees _____ dead.
A. are B. is
C. was D. has been
46. One of my friends, _____ Qasim.
A. is B. are
C. am
47. No trees _____ overnight.
A. grow B. grows
C. growing
48. You can take _____ of these two books.
A. any B. one
C. either
49. _____ of the two towels is mine.
A. none B. not
C. neither
50. He has two sons, Ahmed is _____.
A. taller B. the taller
C. the tallest

**ANSWER KEY**

1.	B	2.	B	3.	C	4.	B	5.	A
6.	A	7.	A	8.	A	9.	A	10.	B
11.	C	12.	C	13.	B	14.	B	15.	A
16.	A	17.	A	18.	A	19.	B	20.	A
21.	A	22.	A	23.	B	24.	A	25.	A
26.	A	27.	A	28.	A	29.	A	30.	A
31.	A	32.	A	33.	A	34.	B	35.	B
36.	A	37.	C	38.	A	39.	A	40.	B
41.	B	42.	B	43.	B	44.	C	45.	A
46.	A	47.	B	48.	C	49.	C	50.	B

ENGLISH

Practice Test 2

1. He is _____ than before.
A. happier B. more happy
C. happy D. happiest
2. It is necessary to stop when the red signal _____.
A. glows B. glowed
C. glow D. glowing
3. His success was earned with _____ hard work.
A. hard B. sheer
C. heavy D. heavier
4. Irony and satire _____ the tone of this drama.
A. are B. is
C. am
5. He would have stumbled _____.
A. If he had not taken a step back
B. If he did not take step back
C. If he not take step back
D. If he would not take step back
6. They needn't _____ about this problem.
A. worry B. worried
C. worrying D. to worry
7. _____ his admission to this college he studied elsewhere.
A. prior to B. early
C. after D. later
8. There are very many _____ in the pointing.
A. mouses B. mice
C. mices D. mouse
9. He climbed up and down _____ hill before he reached his destination.
A. many a B. many
C. much D. very many
10. The result is _____ that I can't control myself.
A. so shocking
B. very shocking
C. very much shocking
D. such shocking
11. It is necessary that all documents, in original, _____ submitted.
A. are B. be
C. to be D. are to be
12. _____ my experience is concerned.
A. as regards B. as far as
C. as much
13. He is living _____ as you are.
A. as happily B. as happy
C. as happier
14. His wallet lay _____ him.
A. besides B. beside
C. close
15. He sang so _____ that everyone admired.
A. enthusiastic B. enthusiastically
C. enthusiasm

Directions:

Choose the correct Synonyms:

16. Burrows:
A. Tunnels made in grounds
B. Buds
C. Beds of plants
D. Stems of plants
17. Voyage:
A. Travel on sea
B. Travel on land
C. Travel in space
18. Indeed:
A. Of course B. Essential
C. Achievable D. Deed
19. Curious:
A. Eager to know
B. Tired of knowing
C. Unfit to know
D. Incapable of knowing
20. Specimens:
A. Samples B. Designs
C. Imported things
D. Glimpses
21. Merry:
A. Married B. Happy
C. Gloomy D. Frustrated
22. Fertile:
A. Good for cultivation
B. Bad for cultivation
C. Uncultivable
D. Unrich
23. Stretch:
A. Expand B. Shrink
C. Loosen D. Thicken
24. Odd:
A. Strange B. Favourable
C. Variable D. Soothing
25. Plough:
A. Till soil B. Water soil
C. Manure soil D. Look after soil

Directions:

Choose the correct answer from the choices given below closest in meaning to the original sentence/underlined words & phrases:

26. The witch vanished at once:
A. The witch disappeared at once
B. The witch appeared at once
C. The witch giggled at once
D. The witch cleaned at once
27. His fright resulted in nightmares:
A. His fright caused nightmares
B. His fright stopped nightmares
C. His fright controlled nightmares
D. He enjoyed night mare
28. He was held captive by his rivals:
A. He was taken as prisoner
B. He was captivated by
C. He was fascinated by
D. He was held responsible by

29. Religious scholars have agreed that the blunder of Adam was predestined:
 A. Preplanned B. Prehistoric
 C. Pretire D. Premature

30. He is studying cosmology:
 A. The study of cosmos
 B. The study of cosmetics
 C. The study of stars and planets
 D. The study of philosophy

31. They ridiculed him, however he spoke with them:
 A. They mocked him
 B. They admired him
 C. They tended him
 D. They compelled him

32. He fell down the roof his leg

smashed:

- A. His leg broke into pieces
 B. His leg remained intact
 C. His leg was lightly fractured
 D. His leg was safe

33. Quacks are non qualified doctors:
 A. Herbal doctor
 B. Medical Physicians
 C. Surgeons
 D. Specialists

34. We look forward to rendering you service:
 A. We eagerly wait to serve you
 B. We look at you white service
 C. We come forward to service you
 D. We are already at your service

Directions:

Choose the correct answer from the given choices to complete the sentence:

35. This ornament is studded _____ jewels.
 A. with B. from
 C. to D. for

36. Please recall _____ your mind those answers.
 A. to B. into
 C. of D. from

37. He mustered _____ his courage.
 A. up B. down
 C. over D. at

38. Please don't prevent me _____ doing good.
 A. from B. to
 C. of D. for

39. He wanted to get rid _____ his disease.
 A. from B. with
 C. of D. to

40. May God be pleased _____ you.
 A. with B. from
 C. to D. for

41. He likes _____.
 A. the music B. music
 C. a music

42. He has ten bars of _____.
 A. soap B. soaps
 C. the soaps

43. _____ ruins at a vast scale.
 A. a war B. the war
 C. war

44. This is _____ University of science.
 A. a B. an
 C. one

45. He bought _____ umbrella for fifty rupees.
 A. a B. one
 C. an

Directions:

Choose the correct synonyms:

46. Assassin:
 A. Murderer B. Murdered
 C. Slain D. Killed
47. Relentless:
 A. Merciful B. Merciless
 C. Kind D. Sympathetic
48. Extravagant:
 A. Wasteful B. Meticulous
- C. Alert D. Generous
49. Elevated:
 A. Uplifted B. Descended
 C. Abated D. Reduced
50. Malice:
 A. Ill will B. Fidelity
 C. Loyalty D. Fair will

**ANSWER KEY**

1.	A	2.	A	3.	B	4.	B	5.	A
6.	A	7.	A	8.	B	9.	A	10.	A
11.	B	12.	B	13.	A	14.	B	15.	B
16.	A	17.	A	18.	A	19.	A	20.	A
21.	B	22.	A	23.	A	24.	A	25.	A
26.	A	27.	A	28.	A	29.	A	30.	A
31.	A	32.	A	33.	A	34.	A	35.	A
36.	A	37.	A	38.	A	39.	C	40.	A
41.	B	42.	A	43.	C	44.	A	45.	C
46.	A	47.	B	48.	A	49.	A	50.	A

ENGLISH

Practice Test 3

1. However _____ they may behave, we will reform them.
A. rude B. rudely
C. nice D. nicely
2. She did _____ M.A in English last year.
A. a B. an
C. one
3. They passed _____ a dense forest at night.
A. through B. thorough
C. from
4. He was advised _____.
A. to abide by rules
B. to abide at rules
C. to abide with rules
D. to abide rules
5. The deeper he went, _____ his body became.
A. heavy B. the heavy
C. the heavier
6. If the sun rose at 5:30.
A. I will come B. I should come
C. I would come D. I came
7. Since last Sunday he _____ badly sick.
A. is B. was
C. has been
8. Since when _____ working here?
A. are you B. have you been
C. were you
9. His mother had hoped.
A. That he would change his mind
B. Him changing his mind
C. That he may change his mind
D. That he changed his mind
10. In addition to _____ to the library, you should also study books at home.
A. go B. going
C. gone
11. The child has been missing, _____?
A. has not he B. is he
C. was he
12. Ten years ago, they _____ live in a village.
A. will B. would
C. may D. can
13. I would rather that he _____ to me.
A. came B. come
C. coming D. to come
14. She would rather _____ drink a Pepsi.
A. not B. no
C. don't
15. The chairman with his wife and children _____ coming tonight.
A. are B. is
C. will D. can
16. They are envious _____ your success.
A. to B. with
C. of D. from
17. I am not familiar _____ him.
A. of B. with
C. from D. to

Directions:

Choose the correct synonyms:

- | | |
|--|---|
| <p>18. Ancestors:
 A. Forefathers B. Disciples
 C. Followers D. Accomplices</p> <p>19. Wicked:
 A. Alert B. Cunning
 C. Active D. Receptive</p> <p>20. Lean:
 A. Bend B. Tend
 C. Mend D. Straighten</p> <p>21. Reluctantly:
 A. Willingly B. Unwillingly
 C. Happily
 D. Sympathetically</p> | <p>22. Ducklings:
 A. Baby ducks B. Baby hens
 C. Baby lambs</p> <p>23. Whiskers:
 A. Moustache B. Beard
 C. Locks</p> <p>24. Bald:
 A. Hairy B. Without hair
 C. Blond hair</p> <p>25. Grieved:
 A. Saddened B. Aided
 C. Favoured D. Supported</p> |
|--|---|

Directions:

Choose the correct answer from the choices given below each sentence:

- | | |
|--|---|
| <p>26. There was a match <u>between the professional and amateur players</u>:
 A. Between professional and their rivals
 B. Between professional and non professional
 C. Between only professionals
 D. Between non professionals</p> <p>27. They commenced with the recitation from the Holy Quran:
 A. They began with
 B. They concluded with
 C. They continued with
 D. They consulted with</p> <p>28. <u>He submitted reverence</u> to the entitled ladies:</p> | <p>A. He showed honour to
 B. He showed revenge to
 C. He showed obstinacy
 D. he showed hard temper</p> <p>29. He is a big stingy:
 A. He is a big miser
 B. He is a big liar
 C. He is a big glutton
 D. He is a big funky</p> <p>30. <u>He is so obstinate</u> that he listens to none:
 A. He is so stubborn
 B. He is so proud
 C. He is so rude
 D. He is so inactive</p> |
|--|---|

31. They saw that some tramps were standing there:

- A. They saw some vagabonds
- B. They saw some panderers
- C. They saw some magicians
- D. They saw some heaps

32. The meanings in this essay are obscure:

- A. Concealed B. Erased
- C. Disclosed D. Elucidated

33. His father patronized many charitable organizations:

- A. His father chaired many
- B. His father obstructed
- C. His father financed
- D. His father agitated against

34. He is culpable for his brother's misdeed:

- A. He is blameworthy
- B. He is responsible
- C. He is entitled
- D. He is deserving

Directions:

Fill in the blanks; choose the correct answer from the choices given below each sentence:

35. Who is annoyed _____ you?

- A. at B. with
- C. to D. of

36. They demanded of me _____ their rights.

- A. of B. for
- C. to D. on

37. He is badly suppressed _____ the burden of loan.

- A. by B. with
- C. from D. of

38. Why is she very much jealous _____ you.

- A. from B. of
- C. on D. for

39. He is eager _____ learn new things.

- A. to B. of
- C. on D. for

40. His mother forbids him _____ mingle with bad boys.

- A. to B. of
- C. from D. for

Directions:

Choose the correct synonyms:

41. Stroke:

- A. Blow B. Knit
- C. Collide D. Smash

42. Rigorously:

- A. Strictly B. Pleasantly
- C. Lavishly D. Optimistically

43. Expensive:

- A. Cheap B. Dear
C. Rotten D. Stale

44. Eradicate:

- A. Finish from root
B. Finish from top

C. Finish timely

D. Negate

45. Tone:

- A. Manner B. Voice
C. Drawing D. Sculpture

Directions:

Choose the correct answer given below in each sentence closest in meaning to the original sentence:

46. We need to muster up men for the work:

- A. We need to gather
B. We need to master
C. We need to develop
D. We need to acquire

D. Annoyed to see

47. Would you like cider?

- A. Apple juice B. Coke
C. Sour Milk D. Milk

49. The Muslims would have had to live under the Hindus as perpetual political minority:

- A. The Muslims would forcibly have lived
B. The Muslims would hardly live
C. The Muslims were minor in numbers to live
D. The Muslims did not consent to live

48. They were astounded to see the results:

- A. Astonished to see
B. Scared to see
C. Furious to see

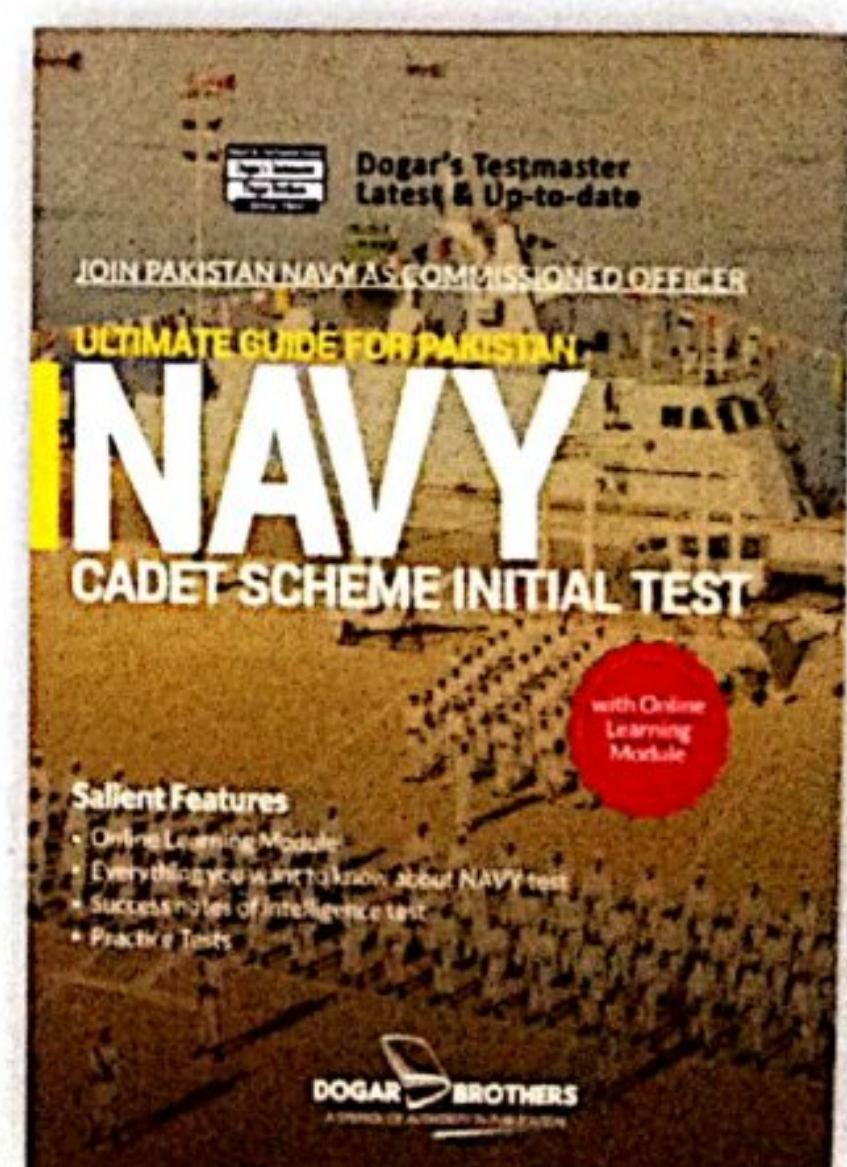
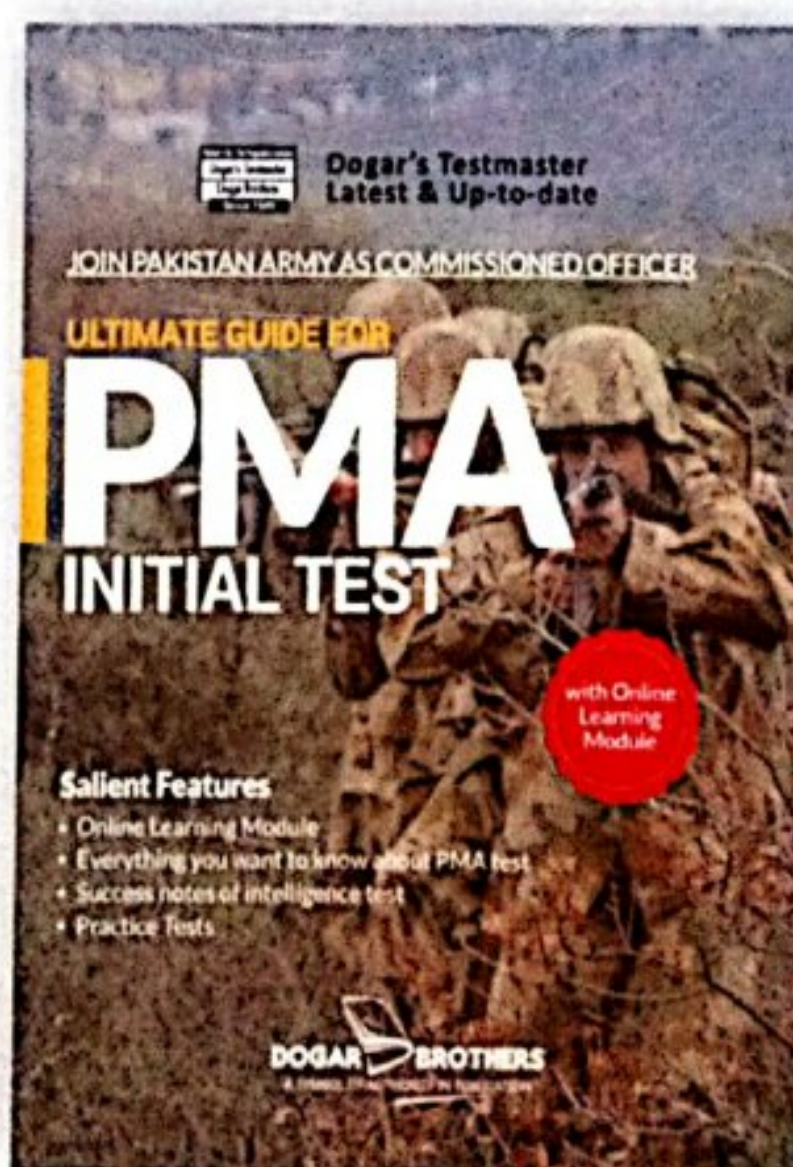
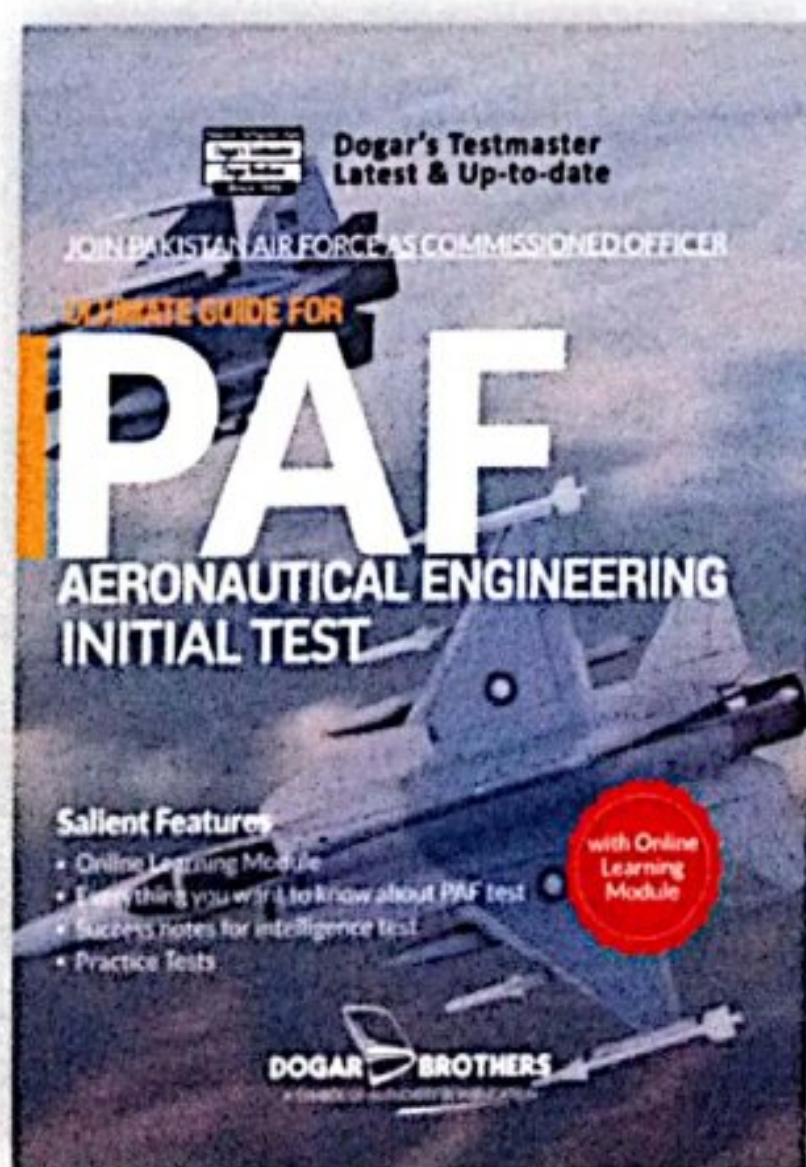
50. He is a callous person:


- A. Insensitive B. Indifferent
C. Irrational D. Unreasonable

**ANSWER KEY**

1.	B	2.	B	3.	A	4.	A	5.	C
6.	C	7.	B	8.	B	9.	A	10.	B
11.	A	12.	B	13.	A	14.	A	15.	B
16.	C	17.	B	18.	A	19.	B	20.	A
21.	B	22.	A	23.	A	24.	B	25.	A
26.	B	27.	A	28.	A	29.	A	30.	A
31.	A	32.	A	33.	A	34.	A	35.	B
36.	B	37.	B	38.	B	39.	A	40.	A
41.	A	42.	A	43.	B	44.	A	45.	B
46.	A	47.	A	48.	A	49.	A	50.	A

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