



Grade 6

OLYMPIAD 2023 - 24 REASONING

Total Questions: 50

Total Marks: 50

Time: 1hr

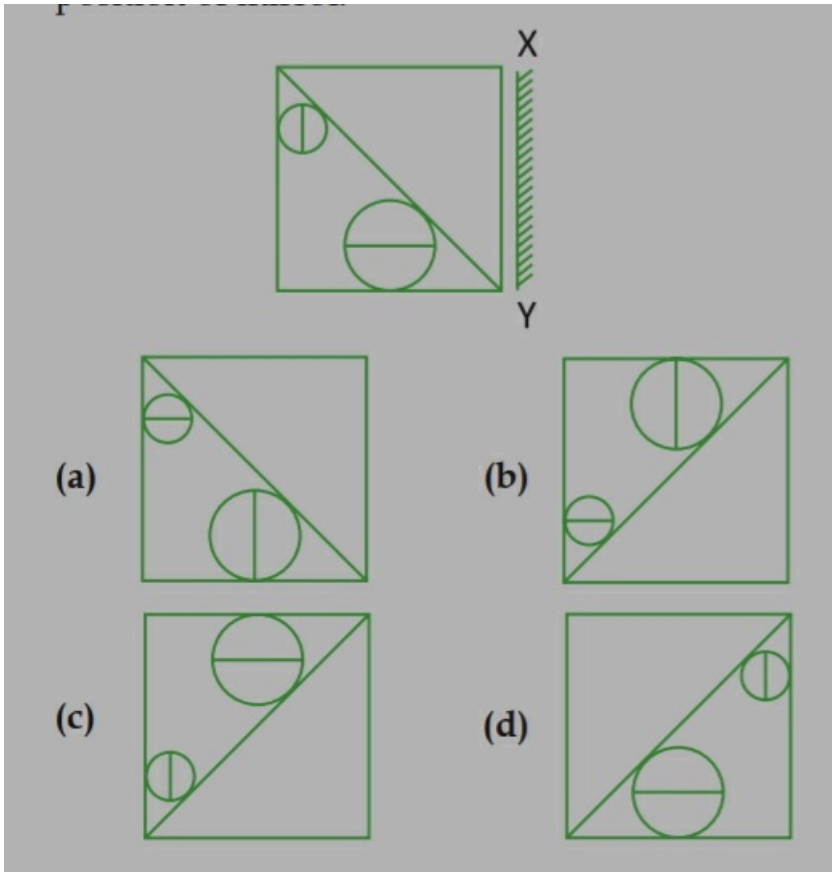
Set: A

Question: 1 of 50

QID: 21413

Marks: 1

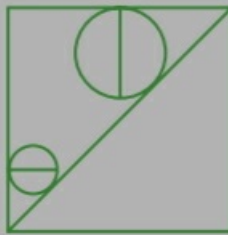
Find mirror image of given figure, XY denotes the position of mirror



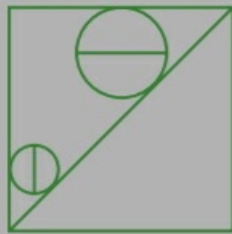
(a)



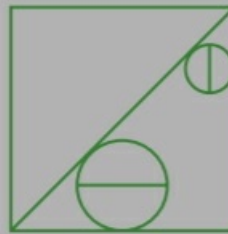
(b)



(c)



(d)



A. a)

B. b)

C. c)

D. d)

Question: 2 of 50

QID: 21431

Marks: 1

There is a certain relationship between the numbers on the left pair. Establish the same relationship in the right pair and find the missing number. 25: 37:: 65: ?

A. 60

B. 41

C. 56

D. 65

Question: 3 of 50

QID: 21418

Marks: 1

Today is 21st August. The day of the week is Monday and this is a leap year. What will be the day of the week on this day after 3 years?

- A. Tuesday B. Wednesday
- C. Thursday D. Friday

Question: 4 of 50

QID: 21396

Marks: 1

If 'eraser' is called 'box', 'box' is called 'pencil', 'pencil' is called 'sharpener' and 'sharpener' is called 'bag', what will a child write with ?

- A. Eraser B. Box
- C. pencil D. sharpener

Question: 5 of 50

QID: 21389

Marks: 1

Find the missing pattern in the given series of numbers. 24,36,48,?,72,84,96

- A. 50 B. 60
- C. 62 D. 68

Question: 6 of 50

QID: 21397

Marks: 1

In a row of trees, one tree is seventh from either end of the row. How many trees are there in the row?

- A. 14 B. 13
- C. 10 D. 12

Question: 7 of 50

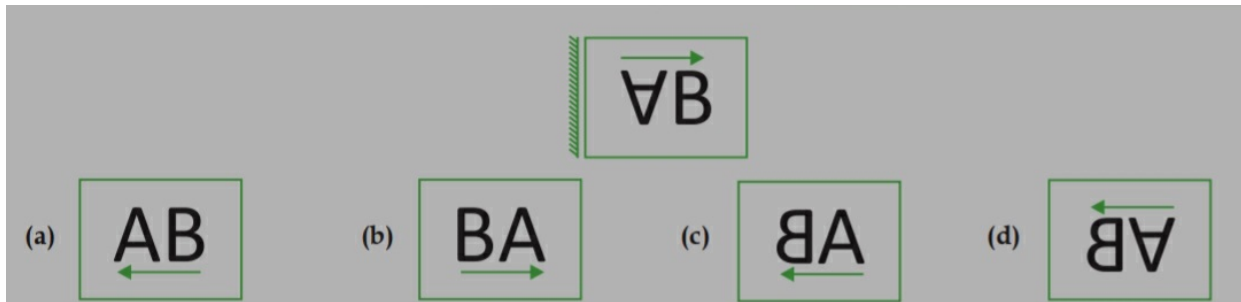
QID: 21410

Marks: 1

Which letter is 9th to the right of the letter L ?

- A. V B. U
- C. W D. X

Select the mirror image of given figure from among the four alternatives:



- A. a) B. b)
 C. c) D. d)

What Will be the Positional Value of "T" in Forward Direction

- A. 20 B. 16
 C. 23 D. 18

Pointing to a person, a man said to a women 'His mother is the only daughter of your father'. How is the women related to that person?

- A. Mother B. Daughter
 C. Wife D. Aunt

Find out the missing letters in the given series. ABDG, CDFI, EFHK, ?

- A. HILN B. HIKM
 C. HIMN D. GHJM

Question: 12 of 50

QID: 21399

Marks: 1

Arrange the following in a meaningful sequence: 1. Yarn, 2. Plant, 3. Gown, 4. Cotton 5. Cloth

A. 2, 4, 1, 5, 3

B. 2, 4, 3, 5, 1

C. 2, 4, 5, 1, 3

D. 2, 4, 5, 3, 1

Question: 13 of 50

QID: 21409

Marks: 1

In each of the following questions arrange the given words in a meaningful sequence: 1. Line, 2. Angle, 3. Square, 4. Triangle

A. 1,2,4,3

B. 4,2,1,3

C. 3,4,1,2

D. 2,1,4,3

Question: 14 of 50

QID: 21421

Marks: 1

Sum of opposite sides of a dice is always _____

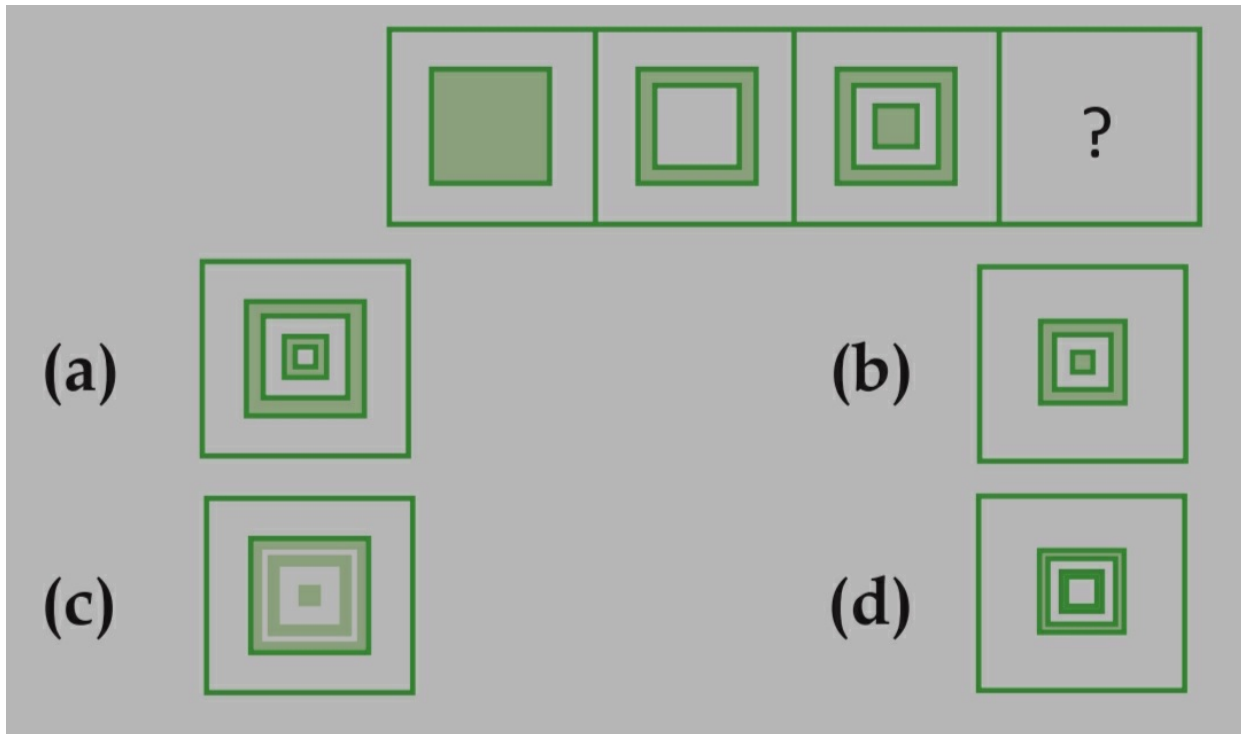
A. 12

B. 10

C. 7

D. 8

Fill in the blanks to complete this series in the given figure



A. a)

B. b)

C. c)

D. d)

Question: 16 of 50

QID: 21395

Marks: 1

If MISTAKE is coded as 9765412 and NAKED is coded as 84123, how is DISTANT coded ?

A. 3765485

B. 4768296

C. 4798165

D. 3697185

Question: 17 of 50

QID: 21436

Marks:1

Some letters are coded as follows: A,L,M,P,O,N,D,J,E : 7,2,1,5,3,9,8,6,4 ; The word which is coded as 721398 is

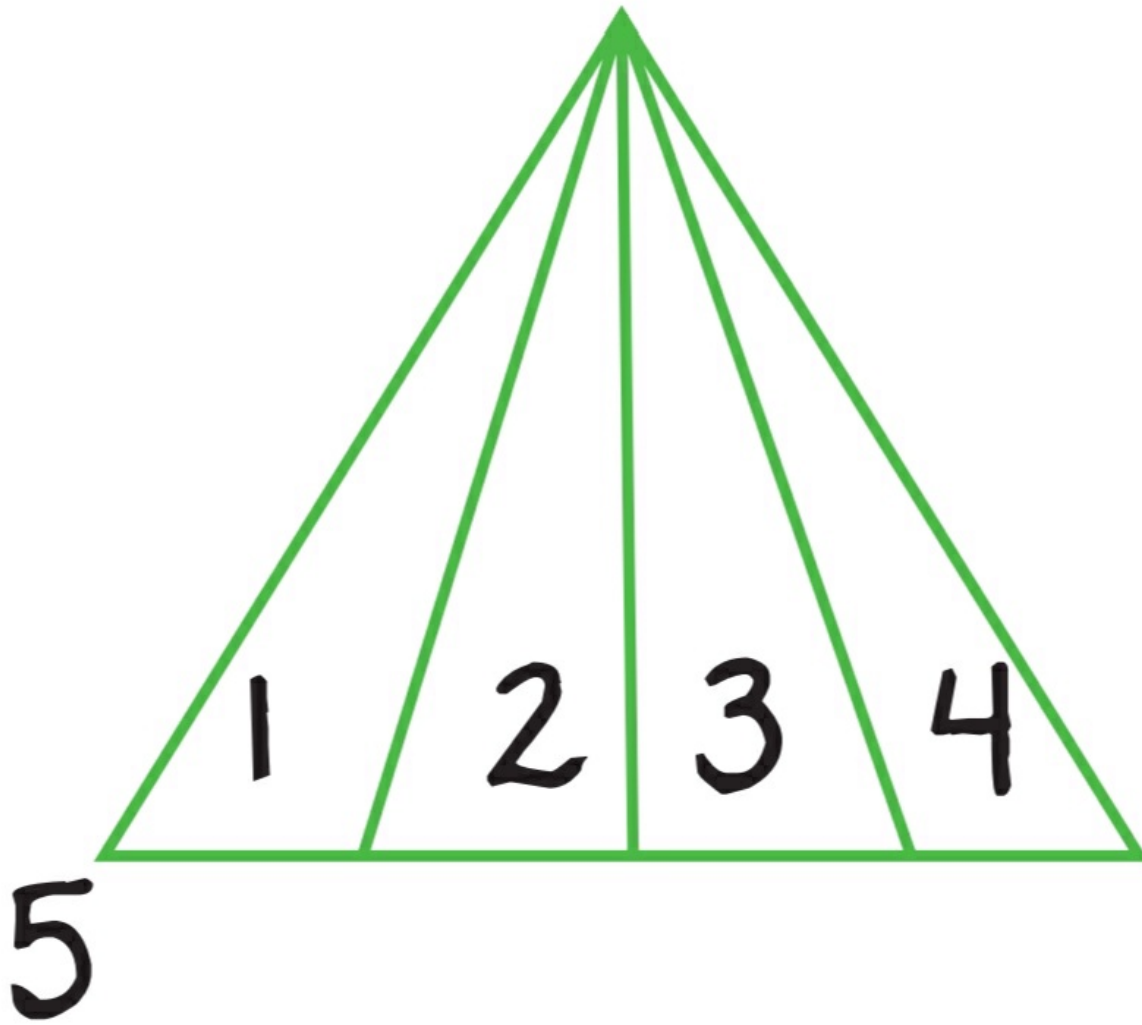
A. Plane

B. Nepal

C. Almond

D. India

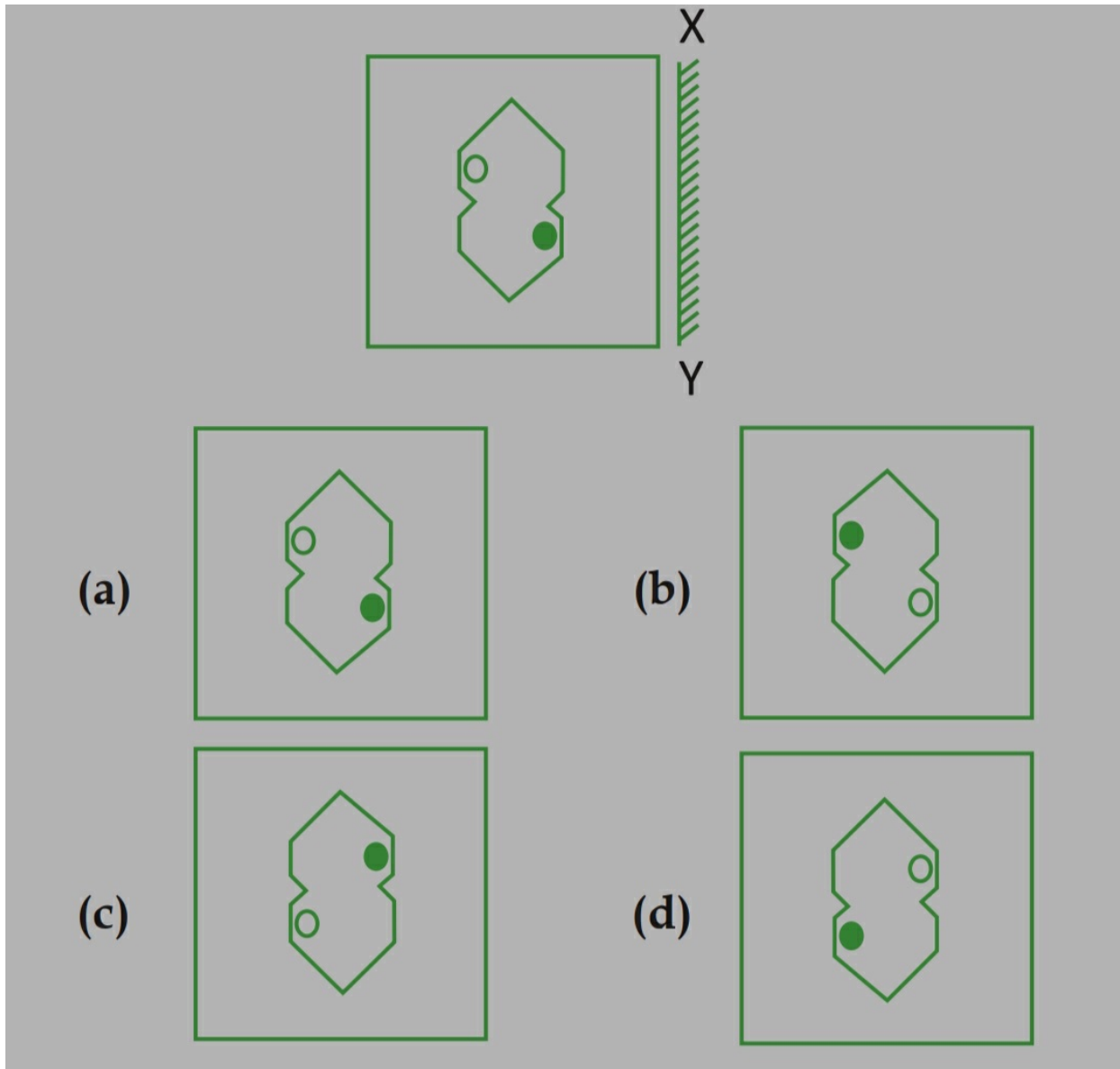
Find the Number of Triangles in the given Figure



- A. 5
- C. 8

- B. 10
- D. 7

Find mirror image of figure, XY denotes the position of mirror.



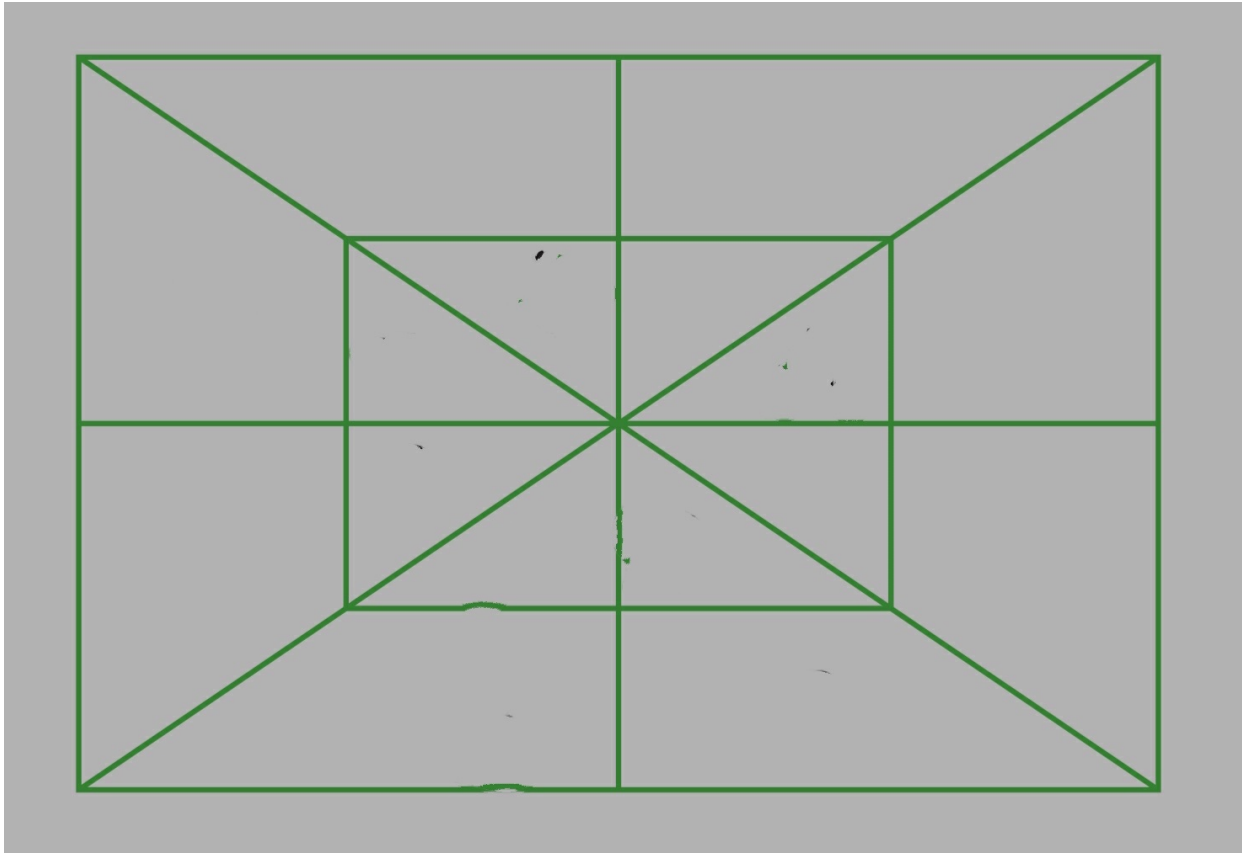
A. a)

B. b)

C. c)

D. d)

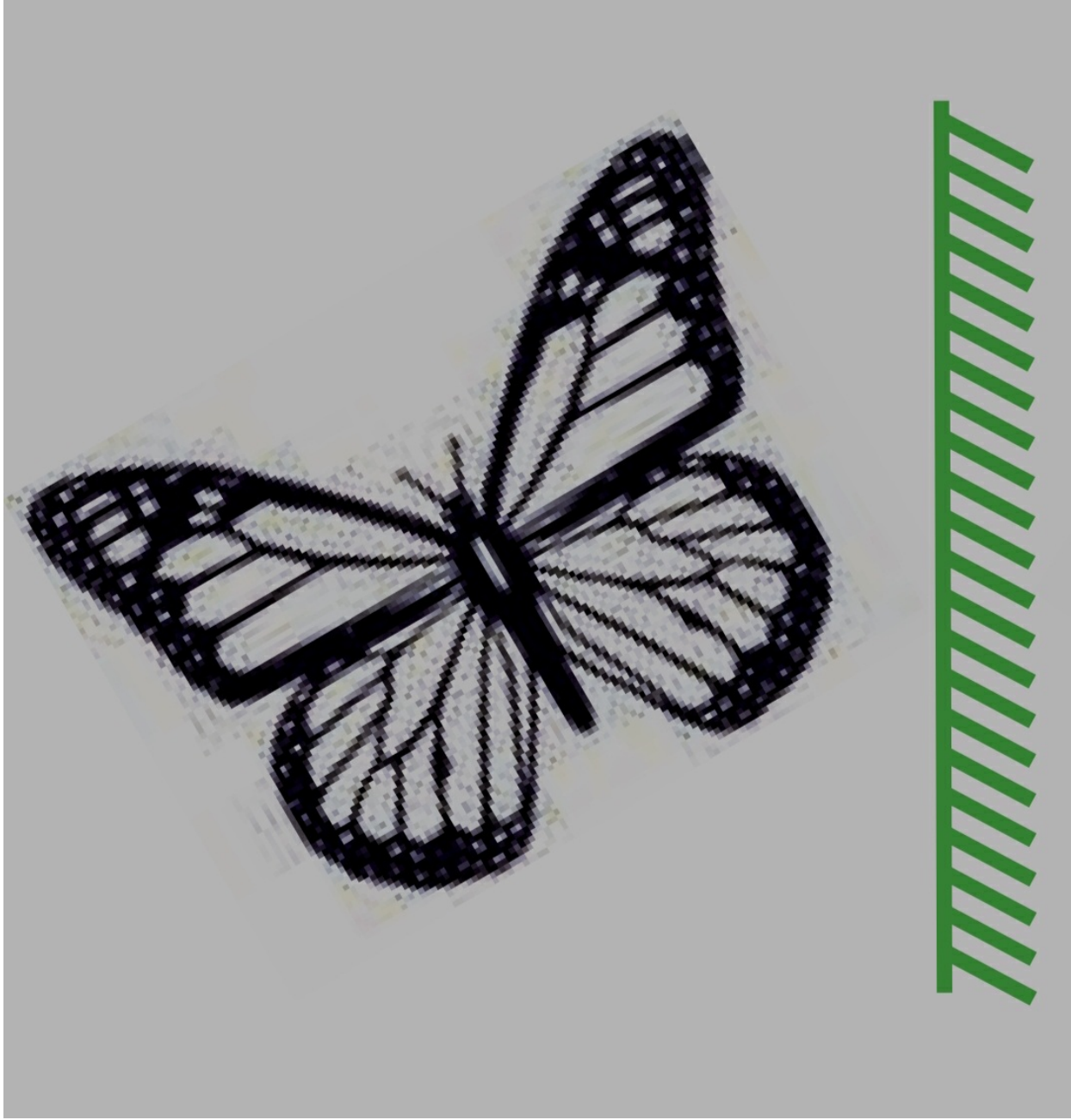
What is the numbers of Triangles in the following figure?



- A. 30
- C. 40

- B. 32
- D. 39

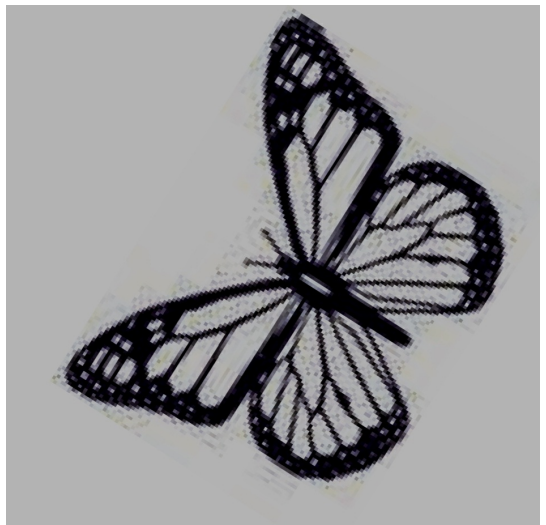
Select the water image of the figure from amongst the four alternatives given below it.



A.



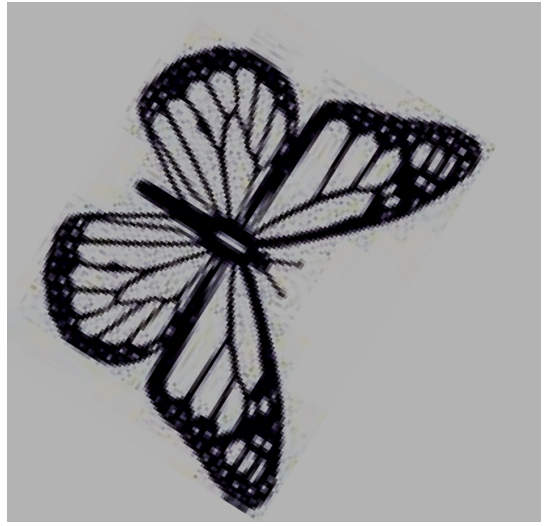
B.



C.



D.



Question: 24 of 50

QID: 21419

Marks: 1

Morrison has a brother Michael. Morrison is the son of Randy. Aston is Randy's Father. In terms of relationship, what relationship does Michael have with Aston?

A. Brother

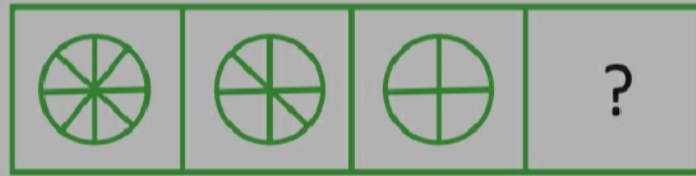
B. Grandfather

C. Son

D. Grandson

Find the missing term of the series in the given pattern of the figures.

Problem Figure



Answer Figures



A. d)

B. c)

C. a)

D. b)

Question: 26 of 50

QID: 21433

Marks:1

A boy faces North direction and turns right, then his face will be facing

A. North

B. South

C. East

D. West

Question: 27 of 50

QID: 21401

Marks: 1

In the English alphabet, which letter will be to the immediate left of Q ?

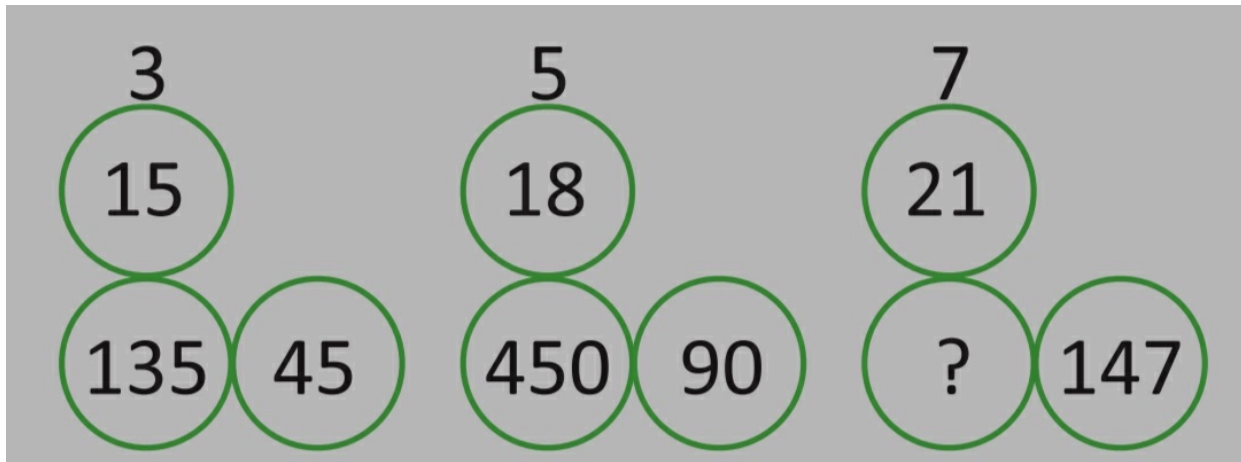
A. R

B. P

C. S

D. U

find the missing character from the given figure



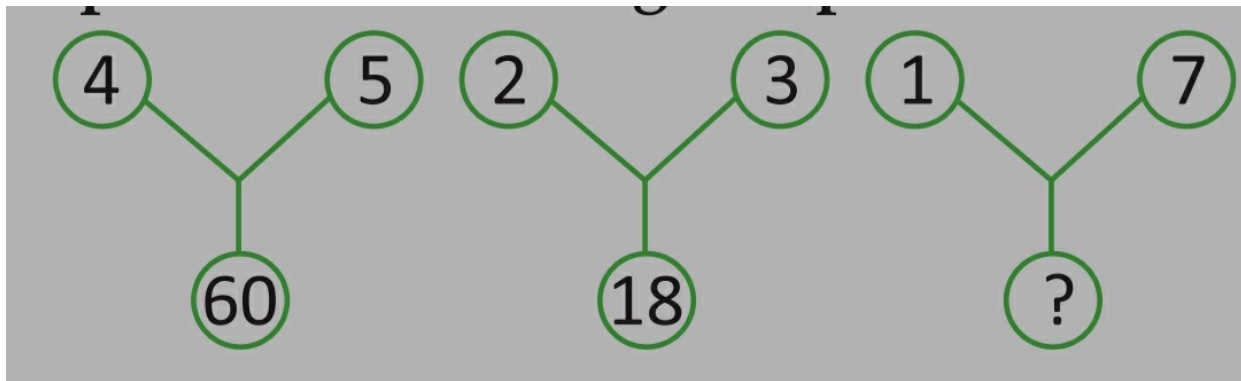
A. 1209

B. 1029

C. 1920

D. 1180

Find the number which will replace this '?' in the given pattern of numbers.



A. 30

B. 7

C. 21

D. 28

Ursula is standing at X, she walks 20 meters towards south then walks 40 meters towards west, then she walks 30 meters towards South; then she walks 40 meters towards East and then she walks 20 meters towards North and reaches Y. What is the distance between X and Y in meters?

A. 40

B. 50

C. 30

D. 70

Every odd number, when written in English, always contains which alphabet in common.

- A. A
- B. D
- C. E
- D. O

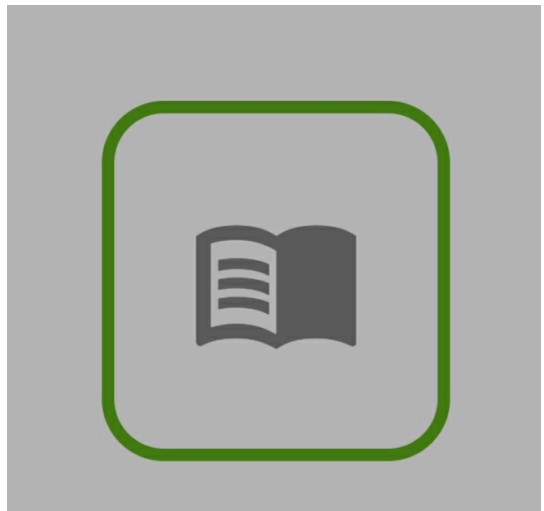
Select the correct mirror image of the given figure.



A.



B.



C.



D.



Question: 33 of 50

QID: 21393

Marks: 1

If teddy F is removed from the given arrangement, then which teddy is 4th from the right end?



A. B

B. D

C. C

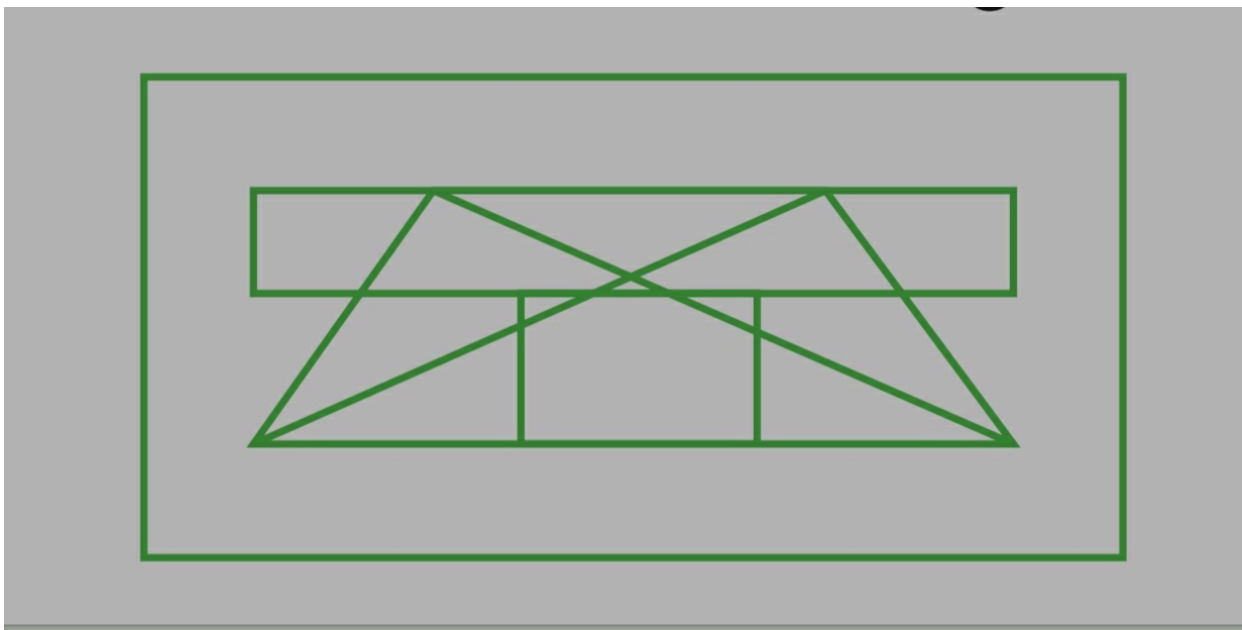
D. E

Question: 34 of 50

QID: 21429

Marks: 1

how many triangles are embedded in the given figure :



A. 16

B. 15

C. 10

D. 11

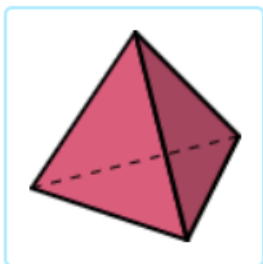
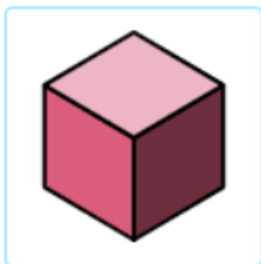
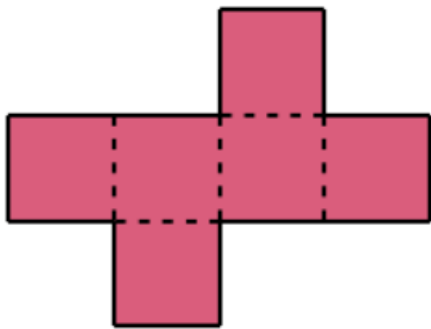
Pointing out to a lady, Ronny said, "She is the daughter of the woman who is the mother of the husband of my mother." How is the lady related to Ronny ?

- A. Aunt
- B. Neighbour
- C. Daughter
- D. Granddaughter

The diagonals of a rectangle divide the rectangle into four _____

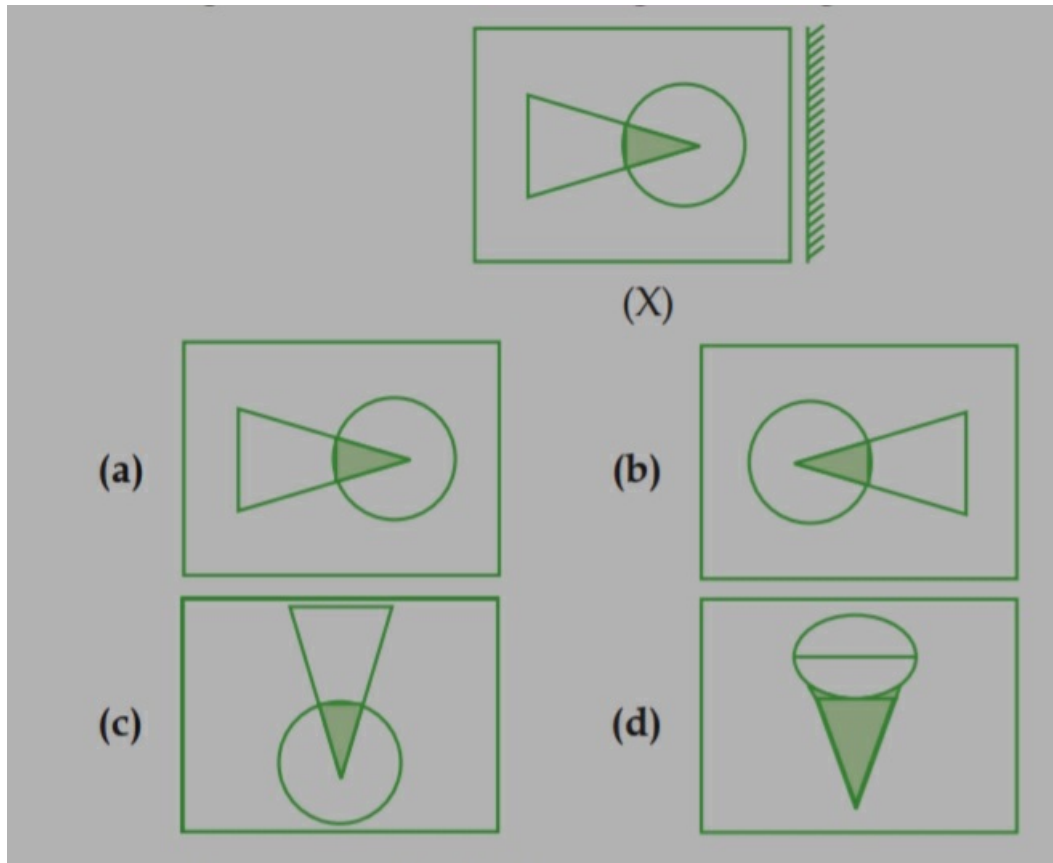
- A. Square
- B. Circle
- C. Triangle
- D. Rectangle

Which figure will this net make?



- A. Cube
- B. Pyramid
- C. Both
- D. None

Select the correct mirror image of the figure (X) from amongst the four alternatives given along with it.



- A. a)
- B. b)
- C. c)
- D. d)

Which of the following shape is missing-in the given figure?



- A. Square
- B. Triangle
- C. Rectangle
- D. Circle

There is a certain relationship between the numbers on the left pair. Establish the same relationship in the right pair and find the missing number: 30:900::?:361

- A. 13 B. 18
 C. 19 D. 15

A video game company made 10,000 copies of its latest game to sell. They decided to sell copies of the game for \$50 each. But the game was not fun to play. Only 2,000 people bought a copy. How much earning did the video company made?

- A. 100 B. 1000
 C. 100000 D. 800

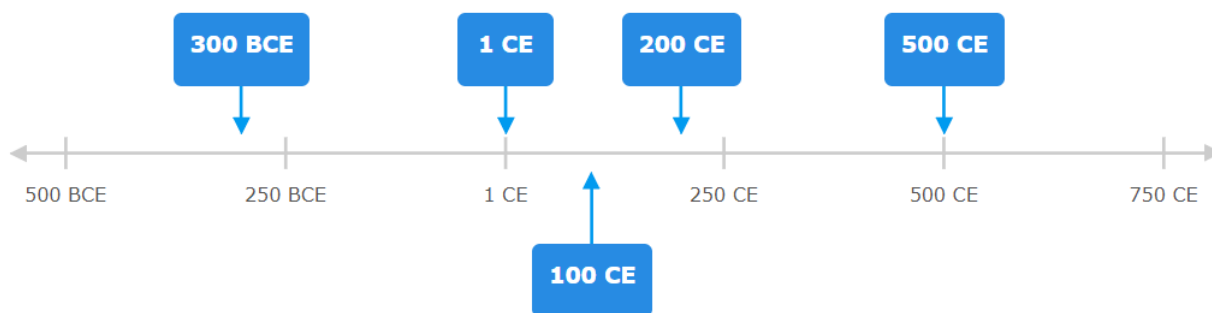
Timelines are used to show when events happened. Timelines go from left to right. Events on the left happened earlier than events on the right.

On some timelines, dates are divided into two categories based on their relation to the year 1 CE.

Dates that occurred before 1 CE are labeled BCE, or Before the Common Era. BCE dates count backward from 1 CE, so larger BCE dates happened longer ago.

Dates that occurred in 1 CE or later are labeled CE, or Common Era. CE dates count forward from 1 CE, so larger CE dates happened more recently.

Look at the following timeline. Then complete the sentence below.



Use the timeline to complete the following sentence

The year _____ was before 100 CE

- A. 300 BCE B. 500 CE
 C. 200 CE

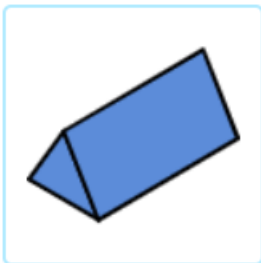
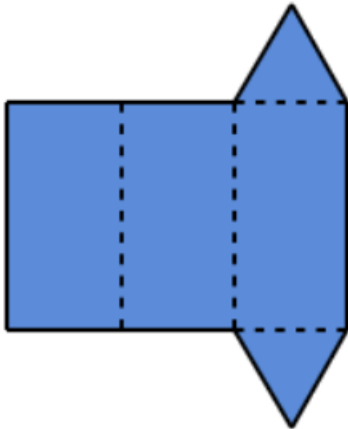
Select the odd one out.

- A. DC B. AB
- C. XY D. JK

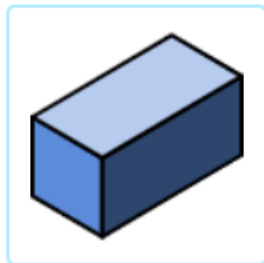
Which two months in a year have same calendar?

- A. June and November B. January and October
- C. April and July D. December and January

Which figure will this net make?



A




B

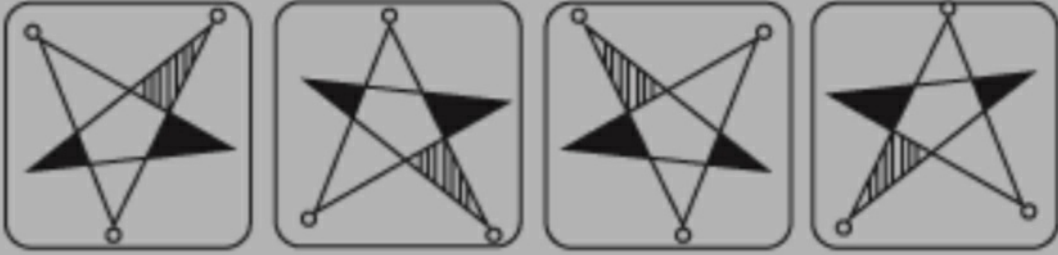
- A. Both B. None
- C. A D. B

Select the correct reflection of the image in water along XY

Question figure:



Answer figures:



(1) (2) (3) (4)

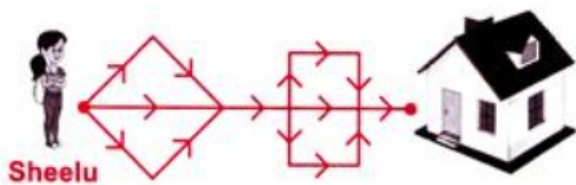
A. 1)

B. 2)

C. 3)

D. 4)

In how many ways can Sheelu reach her home?



A. 12

B. 6

C. 9

D. 8

Choose the most appropriate answer that completes the statement logically: Triangle is a ____

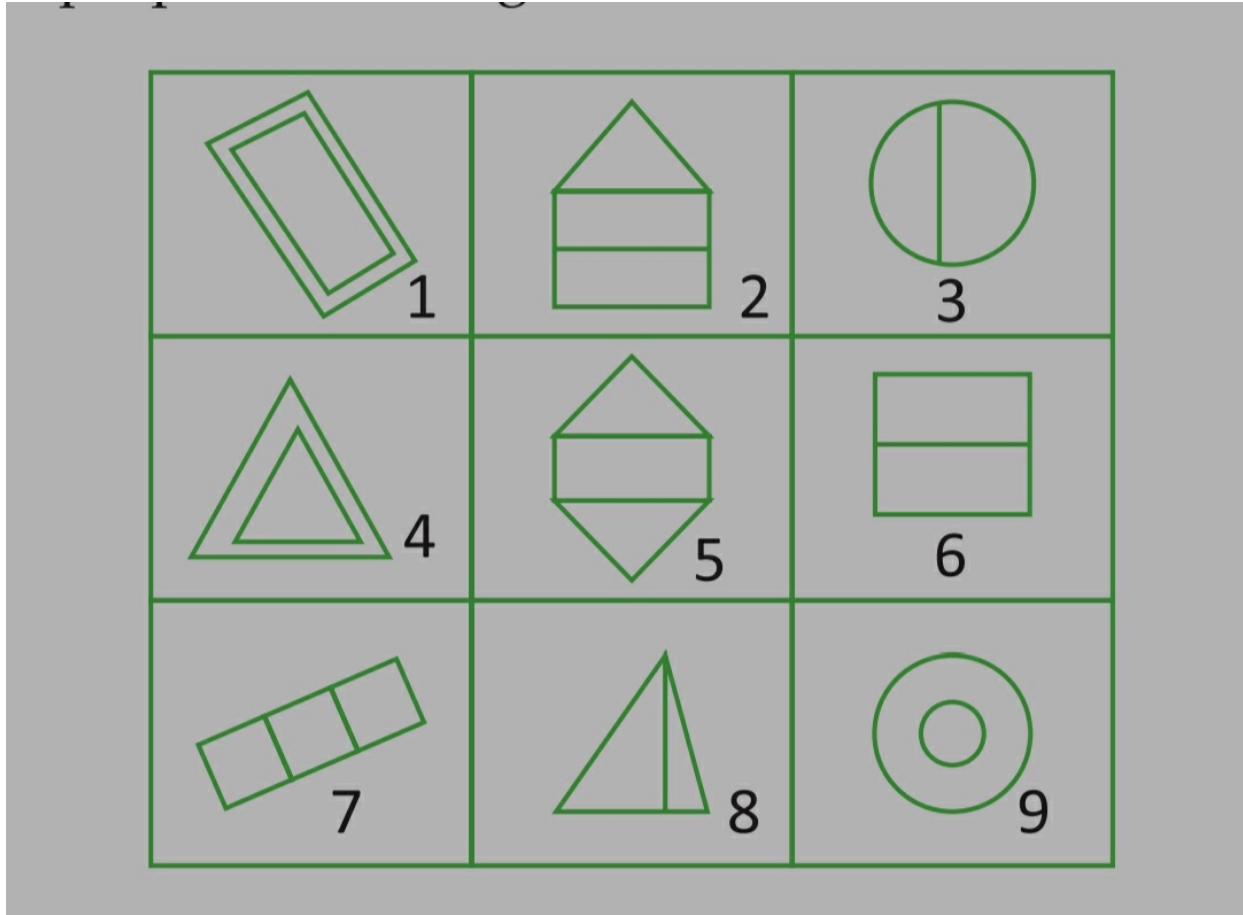
A. Shape

B. Polygon

C. Point

D. Prism

Group the following figures into three classes regarding common properties amongst them.



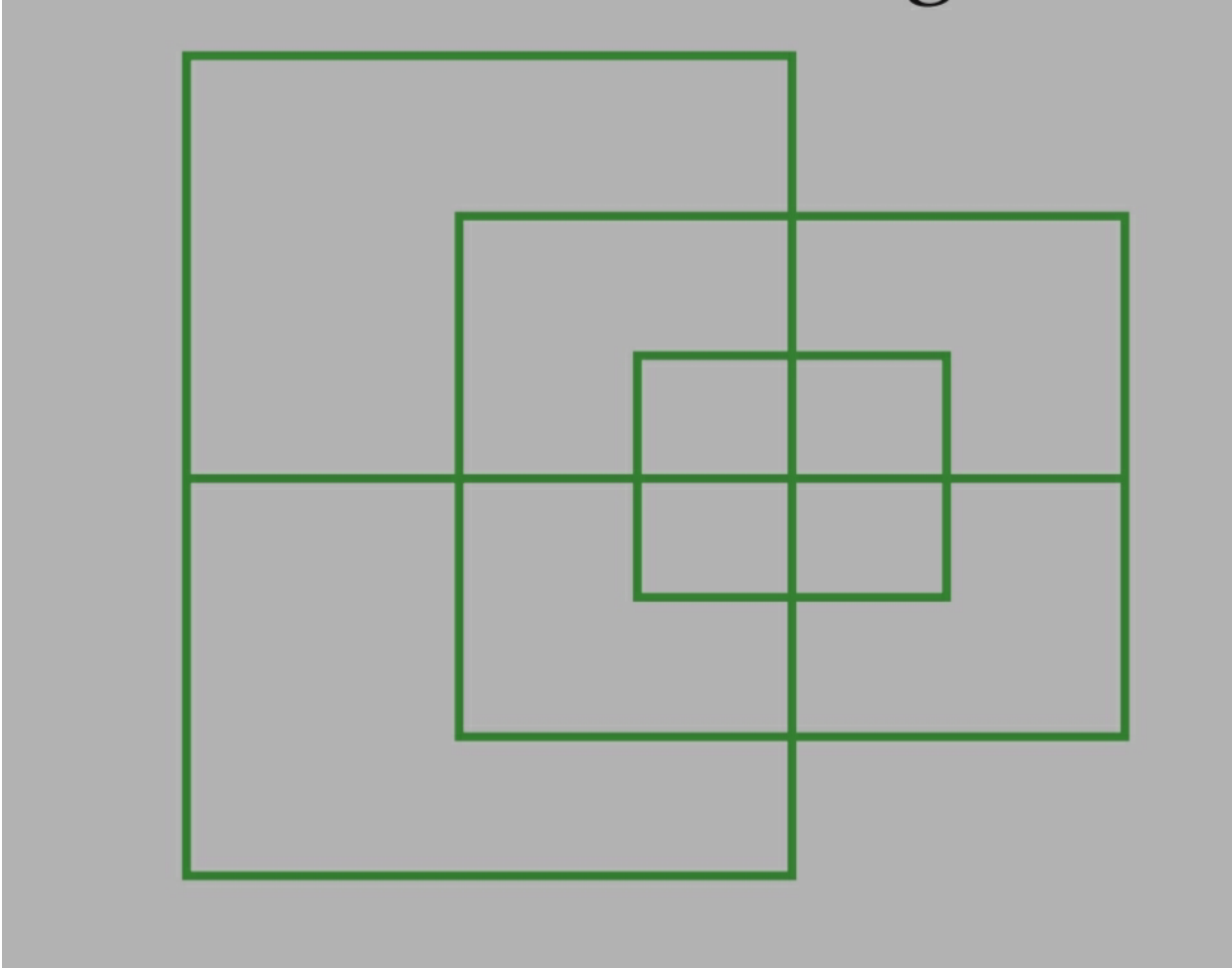
A. 3, 5, 2; 1, 4, 6; 7, 8, 9

B. 3, 4, 1; 5, 7, 9; 2, 8, 6

C. 1, 4, 9; 3, 6, 8; 2, 5, 7

D. 8, 5, 4; 3, 2, 1; 7, 6, 9

What is the number of straight lines in the following figure?



A. 10

C. 15

B. 13

D. 18

— END OF QUESTION PAPER —