oliveboard

50 COUNTING FIGURES PRACTICE QUESTIONS
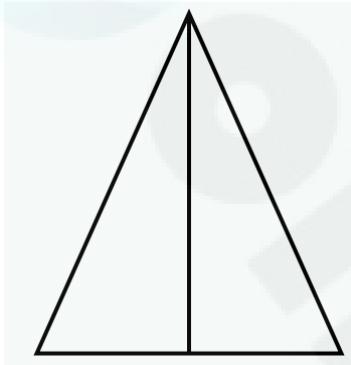
COUNTING FIGURES PRACTICE QUESTIONS

Before moving on to the practice questions let us have a look at some of the tricks important for the counting of triangles, rectangles and squares, that would be very helpful in solving the questions and will make them easy.
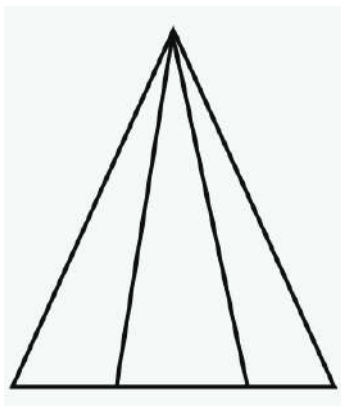
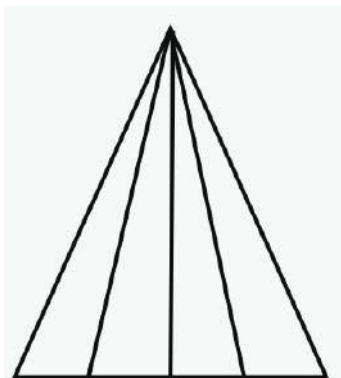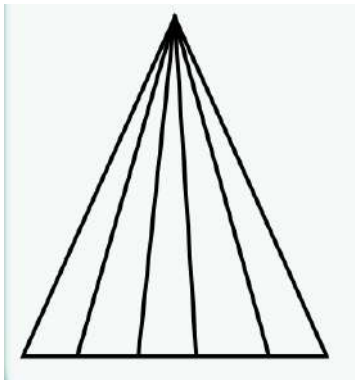## TRICKS FOR TRIANGLES

ADDITION OF DIVIDED PARTS

= 1+2
= 3

= 1+2+3
= 6
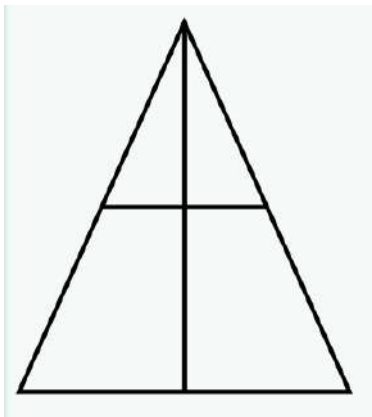

= 1+2+3+4
= 10

= 1+2+3+4+5
= 15

WHEN PARTS ARE DIVIDED IN PARTS

= (1+2) x 2
= 3x2
= 6
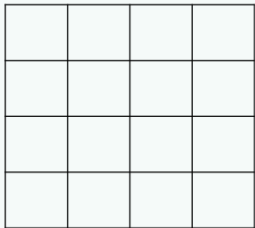

= (1+2+3) x 2
= 6 x 2
= 12

= (1+2+3) x 3

= 6 x3

= 18

= (1+2+3+4+5) x 5
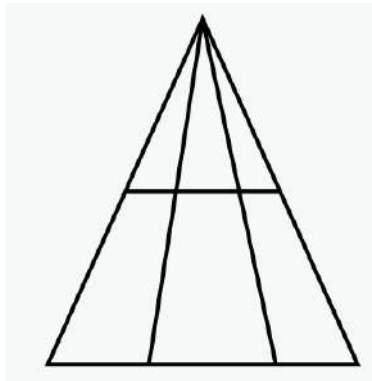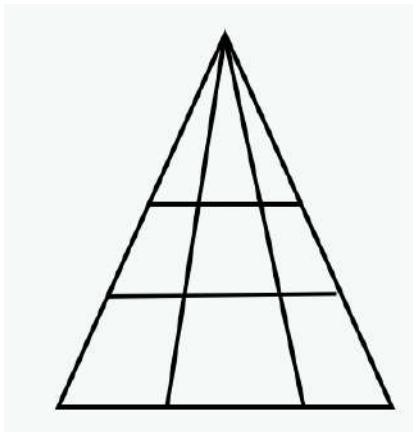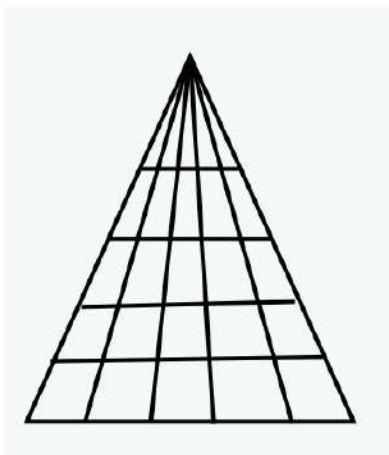
= 15 x5

= 75

TRICKS FOR COUNTING SQUARES

- When row is equal to column.
- When row is not equal to column.

SQUARE

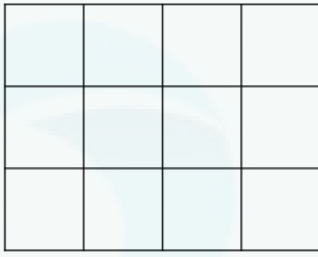**When row = column**

R = 4

C = 4

$1^2 + 2^2 + 3^2 + 4^2 = 30$

When row ≠ column

R = 3
C = 4
= (4 x3) + (3 x 2) + (2 x1)
= 12+6+2
= 20

TRICKS FOR COUNTING RECTANGLES

- **When Row = Column**
- **When Row ≠ Column**

When Row ≠ column
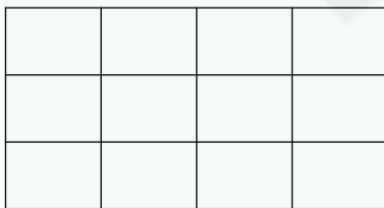
R = 3
C = 4
= row x column
= (1+2+3) x (1+2+3+4)
= 6 x 10
= 60

When Row = Column
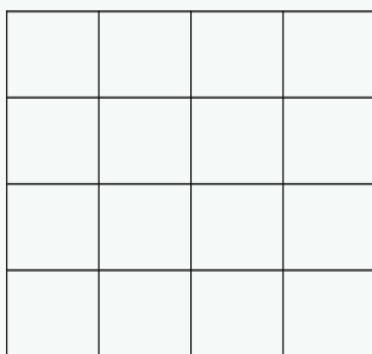
R = 4
C = 4
= row x column
= (1+2+3+4) x (1+2+3+4)
=> 10 x 10 = 100

HOW MANY TRIANGLES
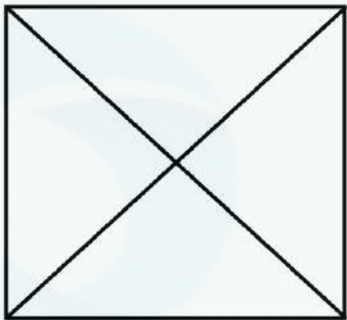
4x 2 = 8
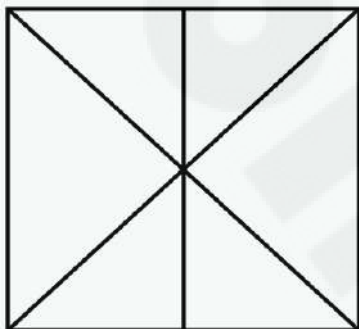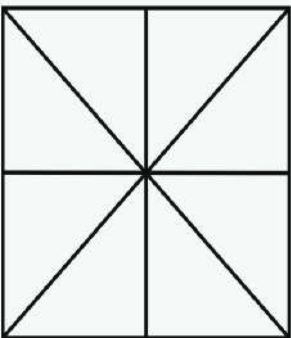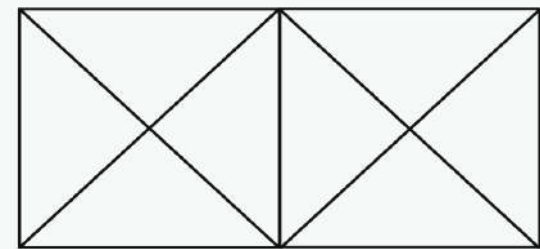
6 x 2 = 12

8 x 2 = 16

= (4 x 2) + (4 x 2)
= 8 + 8
= 16+ (2)
= 18

= (8 x 2) + (1+2)

= 16+ 3

= 19 + (2)

= 21

= (4x2)   + (4x2) + (4x2)

= 8+8+8

= 24+4

= 28
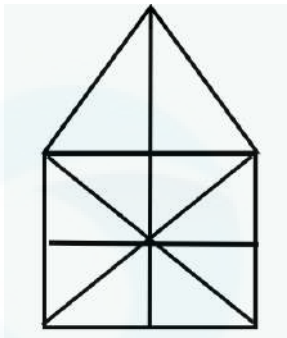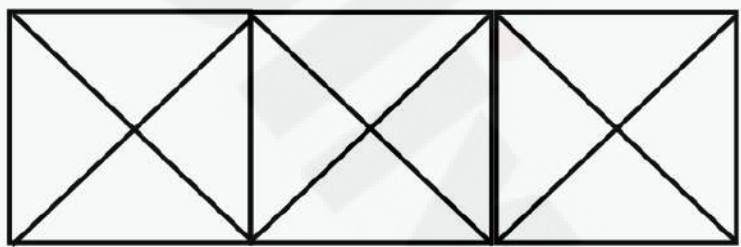
50 Important Counting Figures Practice Questions

Q1) In the following question number of triangles are
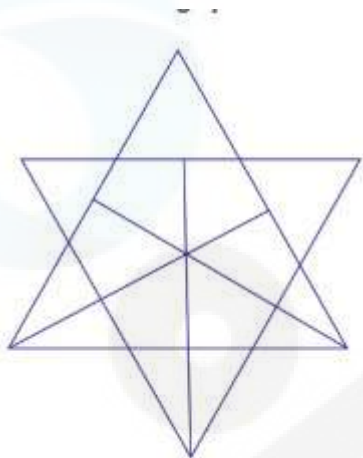
(a) 21
(b) 23
(c) 25
(d) 27

Correct Answer: "d"

Q2) Find the number of triangles in the given figure
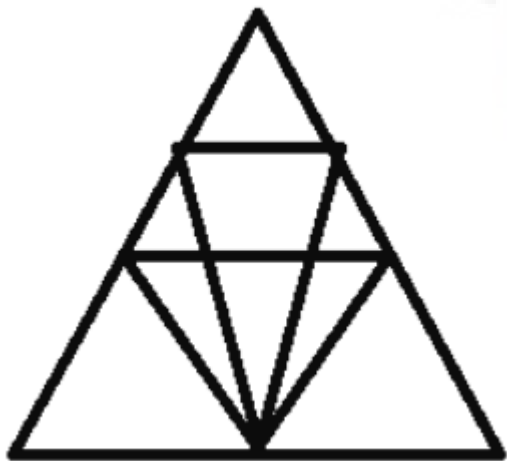
(a) 12
(b) 18
(c) 22
(d) 26

Correct Answer: "b"

Q3) How many triangles are there in the given figure?

(a) 20
(b) 23
(c) 24
(d) 26

Correct Answer: "a"

Q4) How many triangles are there in the given figure?

(a) 18
(b) 19
(c) 20
(d) 21

Correct Answer: "c"

Q5) How many triangles are there in the given figure?

(a) 28
(b) 36
(c) 40
(d) 48

Correct Answer: "b"

Q6) How many triangles are there in the given figure?

(a) 29
(b) 38
(c) 40
(d) 35

Correct Answer: "c"

Q7) How many triangles are there in the given figure?

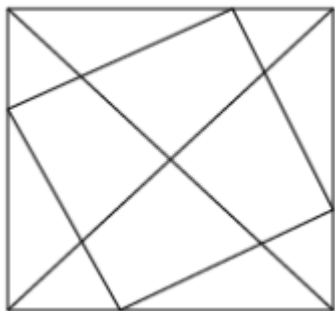(a) 32
(b) 34
(c) 37
(d) 40

Correct Answer: "c"

Q8) Find the number of triangles in the given figure?

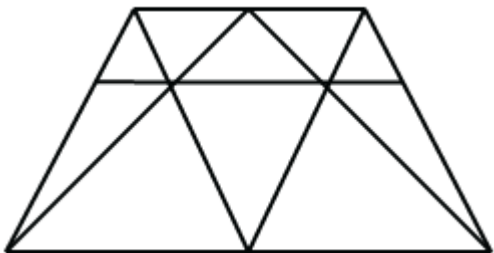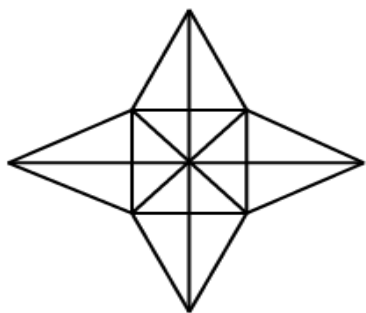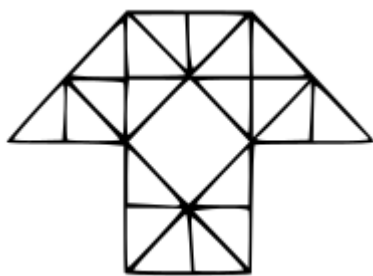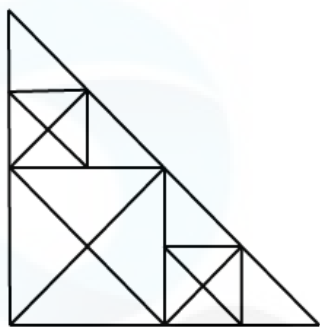(a) 27
(b) 25
(c) 23
(d) 21
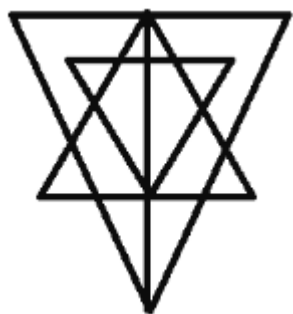
Correct Answer: "a"

Q9) How many triangles are there in the given figure?
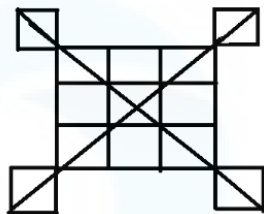
(a) 20
(b) 24
(c) 28
(d) 32

Correct Answer: "c"

Q10) How many triangles are there in the figure?
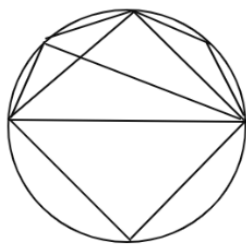
(a) 10
(b) 8
(c) 12
(d) 11

Correct Answer: "a"

Q11) How may triangles are there in the given figure?

(a) 16
(b) 18
(c) 25
(d) 27

Correct Answer: "d"

Q12) Find the number of squares?
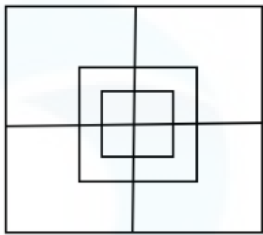
(a) 13
(b) 14
(c) 15
(d) 16

Correct Answer: "d"

Q13) How many triangles are there in the given figure?
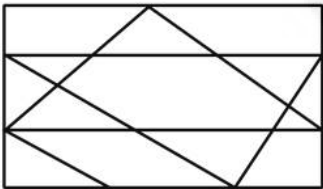
(a) 18
(b) 17
(c) 21
(d) 19

Correct Answer: "d"

Q14) Count the number of triangles and square in the given figure?
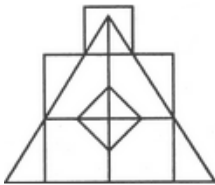
(a) 21 triangles, 7 squares
(b) 18 triangles, 8 squares
(c) 20 triangles, 8 squares
(d) 22 triangles, 7 square

Correct Answer: "a"

Q15) Count the number of squares in the given figure.

(a) 22
(b) 20
(c) 18
(d) 24

Correct Answer: "c"

Q16) Find the number of triangles in the given figure.

(a) 18
(b) 20
(c) 24
(d) 27

Correct Answer: "c"

Q17) Find the minimum number of straight lines required to make the given figure.

(a) 13
(b) 15
(c) 17
(d) 19

Correct Answer: "a"

Q18) Find the number of triangles in the given figure.

(a) 11
(b) 13
(c) 15
(d) 17

Correct Answer: "c"

Q19) Find the number of triangles in the given figure.

(a) 12
(b) 13
(c) 14
(d) 15

Correct Answer: "d"

Q20) Find the number of squares/ rectangles from the given figure.
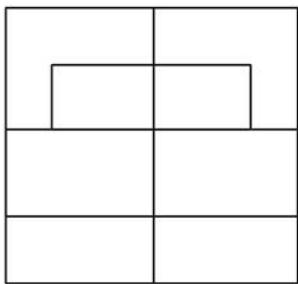
(a) 36
(b) 26
(c) 21
(d) 38

Correct Answer: "c"

Q21) How many triangles are there in the given figure?
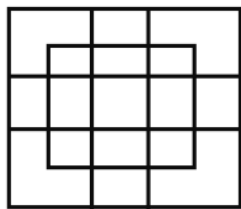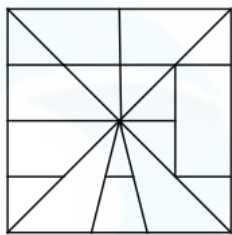

(a) 29
(b) 28
(c) 31
(d) 32

Correct Answer: "c"

Q22) Find the number the triangles in the given figure.

(a) 10
(b) 12
(c) 14
(d) 18

Correct Answer: "c"

Q23) Find the number of triangles in the given figure.

(a) 36
(b) 40
(c) 44
(d) 48

Correct Answer: "d"

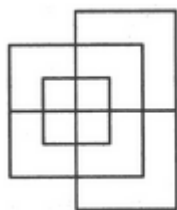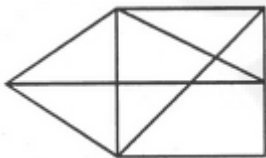**Q24) Find the number of triangles in the given figure.**

(a) 18
(b) 20
(c) 28
(d) 34

Correct Answer: "c"

Q25) Find the number of triangles in the given figure.
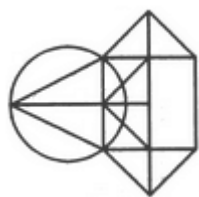

(a) 16
(b) 18
(c) 20
(d) 21

Correct Answer: "d"

Q26) Find the number of triangles and squares in the given figure.

(a) 21 triangles, 7 squares
(b) 18 triangles, 8 squares
(c) 20 triangles, 8 squares
(d) 22 triangles, 7 squares

Correct Answer: "a"

Q27) Count the number of squares in the figure.

(a) 22
(b) 20
(c) 18
(d) 14

Correct Answer: "c"

Q28) Count the number of triangles and squares in the given figure.
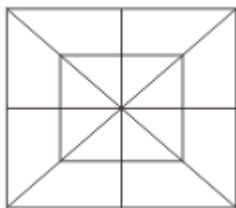
(a) 28 triangles, 10 squares
(b) 28 triangles, 8 squares
(c) 32 triangles, 10 squares
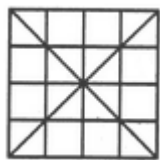(d) 32 triangles, 8 squares
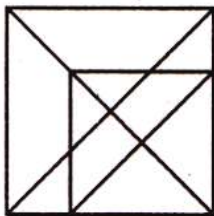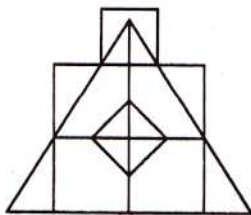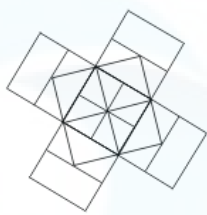
Correct Answer: "c"

Q29) Find the number of triangles in the given figure.

(a) 28
(b) 32
(c) 36
(d) 40

Correct Answer: "c"

Q30) Find the number of triangles in the given figure.

(a) 27
(b) 25
(c) 23
(d) 21

Correct Answer: "a"

Q31) Find the number of triangles in the given figure.
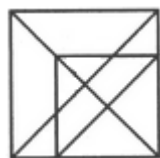
(a) 16
(b) 18
(c) 19
(d) 21

Correct Answer: "d"

Q32) Count the number of triangles and squares in the given figure.

(a) 36 triangles, 7 squares
(b) 38 triangles, 9 squares
(c) 40 triangles, 7 squares
(d) 42 triangles, 9 squares

Correct Answer: "c"
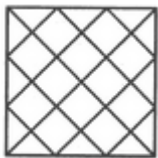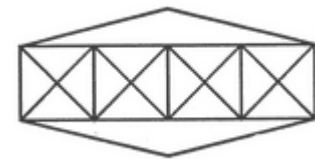
Q33) What is the minimum number of different colours required to paint he given figure such that no two adjacent regions have the same colour?
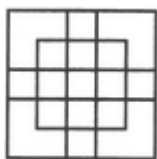

(a) 3
(b) 4
(c) 5
(d) 6

Correct Answer: "a"

Q34) How many triangles and parallelograms are there in the following figure?

(a) 21, 17
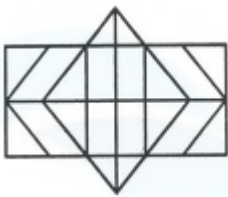(b) 19, 13
(c) 21, 15
(d) 19, 17

Correct Answer: "a"

Q35) Count the number of squares in the given figure.

(a) 18
(b) 19
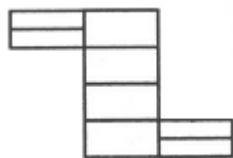(c) 25
(d) 27

Correct Answer: "d"

Q36) Determine the number of rectangles and hexagons in the given figure.

(a) 30, 5
(b) 32, 3
(c) 28, 5
(d) 30, 3

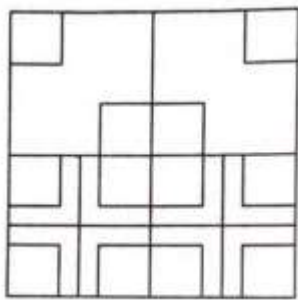**Correct Answer: "a"**

Q37) Count the number of rectangles in the given figure.

(a) 8
(b) 17
(c) 18
(d) 20

Correct Answer: "c"

Q38) How many squares are there in this figure?

(a) 24
(b) 23
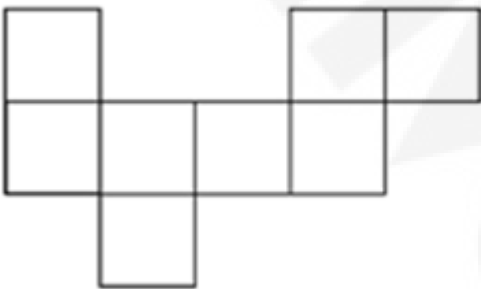(c) 27
(d) 26

Correct Answer: "c"

Q39) How many triangles are there in the given figure.

(a) 10
(b) 16
(c) 18
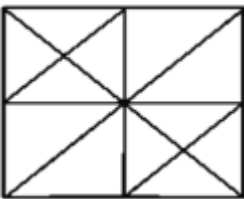(d) 19 or more

Correct Answer: "d"

Q40) How many rectangles can you see in the figure?

(a) 9
(b) 8
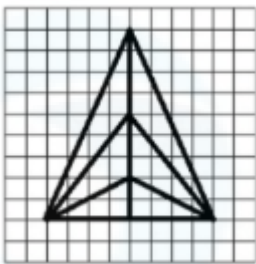(c) 10
(d) 7

Correct Answer: "a"

Q41) How many squares are there in the following figure?

(a) 12
(b) 20
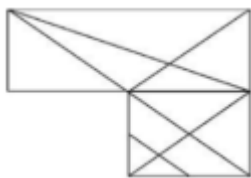(c) 24
(d) 28

Correct Answer: "d"

Q42) Find the number of triangles in the figures.

(a) 14
(b) 15
(c) 16
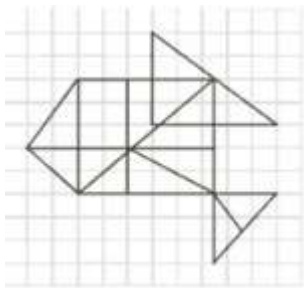(d) 20

Correct Answer: "b"

Q43) How many triangles can be found out of the following figure?

(a) 17
(b) 21
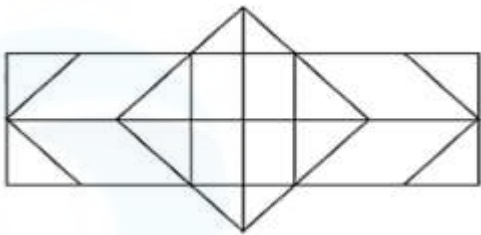(c) 24
(d) 25

Correct Answer: "d"

Q44) How many triangles are there in the given figure?

(a) 16
(b) 23
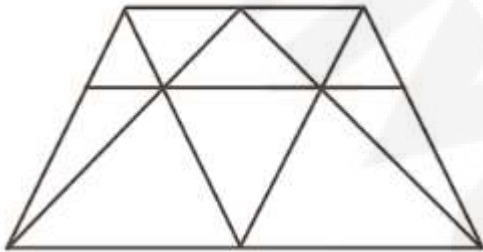(c) 26
(d) 31

Correct Answer: "d"

Q45) How many rectangles are there in the given figure?

(a) 8
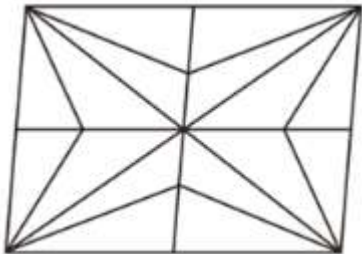(b) 15
(c) 24
(d) 30

Correct Answer: "D"

Q46) How many triangles are there in the given figure.

(a) 18
(b) 19
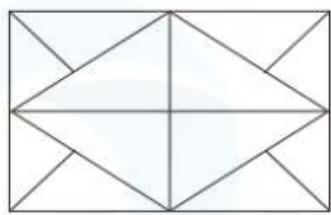(c) 20
(d) 21

Correct Answer: "a"

Q47) How many triangles are there in the given figure?

(a) 24
(b) 28
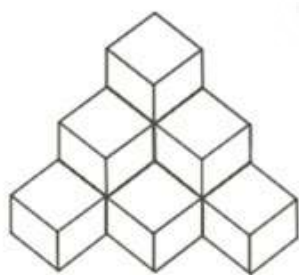(c) 36
(d) 32

Correct Answer: "c"

Q48) How many triangles are there in the following figure?

(a) 12
(b) 16
(c) 10
(d) 20
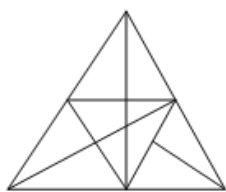
Correct Answer: "d"

Q49) How many cubes are there in the diagram?

(a) 10
(b) 12
(c) 8
(d) 6

Correct Answer: "a"

Q50) How many triangles are there in the given figure?

(a) 24
(b) 30
(c) 28
(d) 29

Correct Answer: "d"

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