

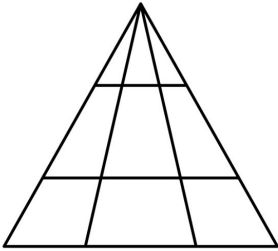
1. A bag contains red, white, and black beads only. There are 8 beads in the bag altogether. Mia picks one bead from the bag at random. The chance of picking a black bead is 0.5. And there is a greater chance of picking a red bead than a white bead.

What is the number of WHITE bead(s) in the bag?

- A) 1
- B) 4
- C) 2
- D) 3

(Correct +3, Wrong 0, Blank 0)

2. Here is a shape with lines made of some triangles.

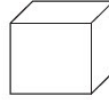


How many triangles are there in the figure above?

- A) 4
- B) 7
- C) 18
- D) 10

(Correct +3, Wrong 0, Blank 0)

3. Here is a sketch of a cube.



The area of one face is 16cm^2 .

What is the volume of the cube?

- A) 64cm^3
- B) 48cm^3
- C) 32cm^3
- D) 96cm^3

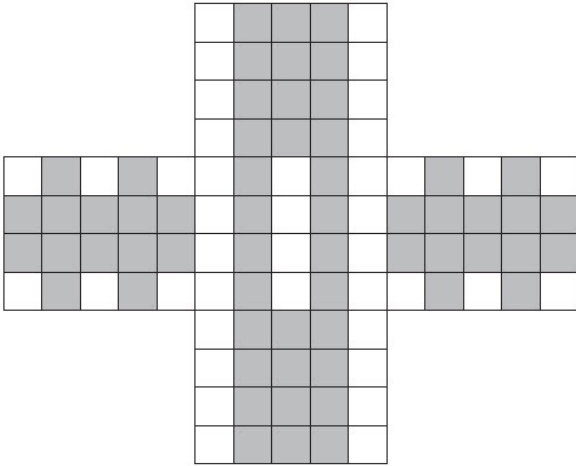
(Correct +3, Wrong 0, Blank 0)

4. If today is Saturday, what day of the week will it be 2024 days from now?

- A) Monday
- B) Tuesday
- C) Wednesday
- D) Sunday

(Correct +3, Wrong 0, Blank 0)

5. Carlos draws a shape made of squares. He shades part of the shape.



How many percent of the shape is shaded?

- A) 60%
- B) 56%
- C) 15%
- D) 30%

(Correct +3, Wrong 0, Blank 0)

6. In a school, 80 students participate in painting classes, 50 students participate in music classes, and 30 students participate in both painting and music classes for their extracurricular activities.

If 10 students do not participate in either of these classes, how many students are there in this school?

- A) 170
- B) 120
- C) 110
- D) 100

(Correct +3, Wrong 0, Blank 0)

7. Andy had 8 more marbles than Ben had. Andy then bought 10 more marbles but gave 3 of his old marbles to Ben

How many more marbles that Andy currently has compared to that of Ben?

- A) 21
- B) 15
- C) 12
- D) 18

(Correct +3, Wrong 0, Blank 0)

8. How many times does the digit "0" appear from 1 to 1000?

- A) 192
- B) 189
- C) 171
- D) 90

(Correct +3, Wrong 0, Blank 0)

9. Anna makes a number with four-digit cards. She wants the number to be divisible by 3 but not divisible by 6.



Which digit could she use to complete her number?

- A) 3
B) 5
C) 2
D) 4

(Correct +3, Wrong 0, Blank 0)

10. Ali rolls two standard six-sided dice.



What is the probability that the sum of his rolls is prime?

- A) $\frac{5}{36}$
B) $\frac{15}{36}$
C) $\frac{21}{36}$
D) $\frac{10}{36}$

(Correct +3, Wrong 0, Blank 0)

11. In a chess tournament, five players competed against each other. Each player played against every other player **exactly once**, with no draws. The final results were as follows:

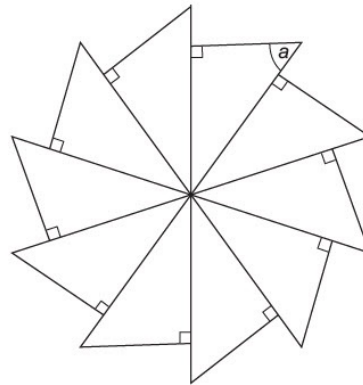
- Player A won 4 games.
- Player B won 2 games.
- Player C won 1 game.
- Player D won 1 game.

How many games did Player E win in the tournament?

- A) 4
B) 3
C) 2
D) 1

(Correct +3, Wrong 0, Blank 0)

12. Ten identical right-angled triangles are arranged to make a new shape.



What is the size of angle a?

- A) 144°
B) 36°
C) 72°
D) 54°

(Correct +3, Wrong 0, Blank 0)

13. What is the missing number in the sequence 2, 4, 3, 6, 5, 10, _____, 18, 17?

A) 6
B) 8
C) 7
D) 9

(Correct +3, Wrong 0, Blank 0)

14. It is given that $a \square b = a \times b + a + b$. For example, $3 \square 2 = 3 \times 2 + 3 + 2 = 11$

If $2 \square ? = 11$, what number can replace the question mark in the equation?

A) 3
B) 1
C) 2
D) 4

(Correct +3, Wrong 0, Blank 0)

15. Jack is planning a road trip and wants to calculate the total amount of fuel he will consume. He knows that his car consumes 0.2 liters of fuel per kilometer.

If his trip is 500 kilometers long, which equation represents the total amount of fuel, f , Jack's car will consume for the entire trip?

A) $f = 0.2 : 500$
B) $f + 0.2 = 500$
C) $f = 0.2 \times 500$
D) $f = 500 : 0.2$

(Correct +3, Wrong 0, Blank 0)

16. Yunus wants to know the distance each of his teachers travels to school. Here is the data he collects.

Distance travelled in kilometres
8
35
15
50
10
2

What is the range of his data?

A) 40 km
B) 6 km
C) 48 km
D) 20 km

(Correct +3, Wrong 0, Blank 0)

17. Here are five cards.



Each symbol represents a different number on the cards. The sum of all five numbers on the cards is 29 and the difference between cards with different symbols is 2.

What is the value of card ?

- A) 5
- B) 7
- C) 3
- D) 12

(Correct +3, Wrong 0, Blank 0)

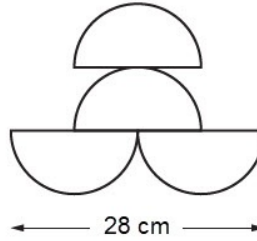
18. Jane spent an average of 2 minutes per multiple choice question and 3 minutes per short answer question. She is given 90 minutes to finish an exam that consists of 20 multiple choice and 10 short answer questions.

She would have ____ many minutes left to check her answer after completing all the questions?

- A) 20
- B) 30
- C) 45
- D) 10

(Correct +3, Wrong 0, Blank 0)

19. Two identical circles are cut in half. The four pieces are arranged to make a new shape of width 28 cm.



What is the area of the new shape? (use $\pi = \frac{22}{7}$.)

- A) 308cm^2
- B) 154cm^2
- C) 77cm^2
- D) 616cm^2

(Correct +3, Wrong 0, Blank 0)

20. Hans has 3.6 metres of string. He cuts a piece off the string and gives this to Mike. Mike cuts his piece of string into two equal pieces. Each of these two pieces is 45 centimeters long.

Hans gives ____% of his string to Mike.

- A) 4
- B) 90
- C) 25
- D) 45

(Correct +3, Wrong 0, Blank 0)

21. A math competition paper consists of 60 questions and consists of two parts: multiple choice and short answer. Multiple choice questions are worth 3 and short answers are worth 4 points. If the maximum number of points one can get in the exam is 210.

The number of multiple choice questions is ____. (Write your answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

22. There are six friends named Alice, Bob, Charlie, David, Emma, and Fiona. They want to form a team of three members to participate in a quiz competition. However, they can only select three members from the group.

How many different trios of friends can be formed? (Write only in numbers.)

(Correct +4, Wrong 0, Blank 0)

23. Four years ago a teacher and a student have a combined age of 45 and the teacher's age was twice the age of the student.

How old is the teacher four years in the future? (Write only in numbers.)

(Correct +4, Wrong 0, Blank 0)

24. Here is a timetable for trains from the city center to the airport.

Depart	Arrive
09:25	09:38
09:30	09:48
09:53	10:05
10:00	10:18
10:08	10:21
10:11	10:28
10:22	10:35
10:23	10:44

Ben's plane leaves at 12:30 but passengers need to arrive at the airport at least two and half hours before the flight. So Ben catches the latest train that still lets him catch the flight.

The duration of his train journey is _____ minutes. (Write your answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

25. Three years ago, James is three times older than his sister Emma. Three years from now, James will be twice as old as Emma.

How old is James now? (Write your answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

26. Here are the results of a Mathematics test in Grade 4. The test is scored out of 30 points.

Grade 4 Math Test Results

23	17	11	21	18	24
5	23	10	20	26	19
26	21	21	19	17	21

What is the mean score of this test? (Write only in numbers.)

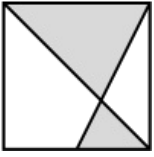
(Correct +4, Wrong 0, Blank 0)

27. Amir is thinking of a 4-digit number. The digit in the thousand place is twice the digit in the hundreds place, the digit in the hundreds place is three times the digit in the ones place, and the digit in the tens place is smaller than the digit in the ones place.

What is the number? (Write your answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

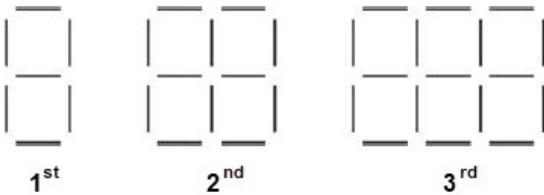
28. The following figure is a square divided into four regions. The area of the large and small shaded triangle is 12 and 3 centimeters squared.



The area of the square is _____ cm^2 . (Write your answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

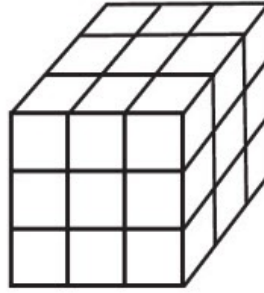
29. Here is a sequence of stick patterns.



What is the result if we take the sum of all the stick from the first to fifth pattern? (Write only in numbers.)

(Correct +4, Wrong 0, Blank 0)

30. Here is a picture of a 3x3 solid cube made of blocks.



The outside of this cube is painted red.

How many blocks of this cube will have at least two red faces? (Write your answer only in numbers.)

(Correct +4, Wrong 0, Blank 0)

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Jakarta Local Round II	: 18 - 19 April 2026
Yogyakarta Local Round	: 25 - 26 April 2026
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Answer Keys

No	Key	Code
1	A	KMF/3472/KWUQR
2	C	KMF/3490/SJZMU
3	A	KMF/3470/B5T2N
4	D	KMF/3486/BBT4T
5	A	KMF/3484/8GX1A
6	C	KMF/3489/MZUCA
7	C	KMF/3497/GBLZN
8	A	KMF/3496/AQGSA
9	B	KMF/3479/ZPSAG
10	B	KMF/3493/XUNGP
11	C	KMF/3475/QVYJS
12	D	KMF/3473/QQCEE
13	D	KMF/3491/ZI6BJ
14	A	KMF/3492/NSIDT
15	C	KMF/3487/6WWJE
16	C	KMF/3482/T7NWC
17	A	KMF/3498/UGCPG
18	A	KMF/3494/UYW5O
19	A	KMF/3471/LTOVG
20	C	KMF/3495/OZEDR