

## 2024 SASMO G1

Question 1

Calculate the sum below.

$$22+16+8+14$$

- A. 60
- B. 61
- C. 50
- D. 59
- E. 40

Question 2

8 less than 35 is

- A. 17
- B. 26
- C. 27
- D. 28
- E. 30

Question 3

Which one of the following is an even number?

- A. 17
- B. 369
- C. 111
- D. 5
- E. 732

Question 4

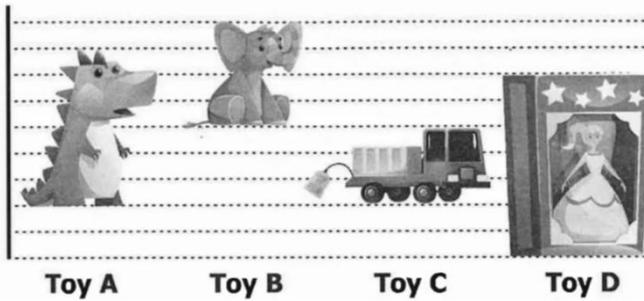
$6+18$  is the same as  $\_\_+7$ .

- A. 19
- B. 17
- C. 24
- D. 27
- E. 18

Question 5

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Find the order of the toys from the longest to the shortest.



- A. Toy D, Toy B, Toy A, Toy C
- B. Toy D, Toy A, Toy C, Toy. B
- C. Toy C, Toy B, Toy A, Toy D
- D. Toy D, Toy A, Toy B, Toy C
- E. Toy A, Toy D, Toy B, Toy C

Question 6

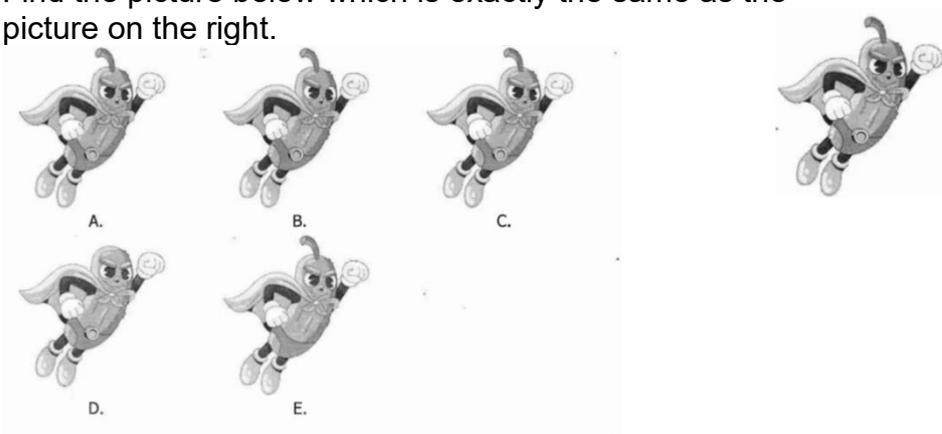
How many dots are there in the figure?



- A. 80
- B. 79
- C. 78
- D. 77
- E. 76

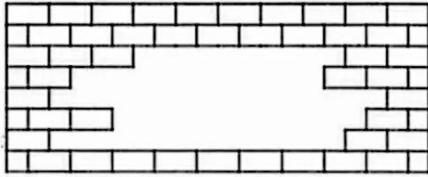
Question 7

Find the picture below which is exactly the same as the picture on the right.



Question 8

How many bricks are needed to fix the wall below?



- A. 30
- B. 31
- C. 32
- D. 33
- E. 34

Question 9

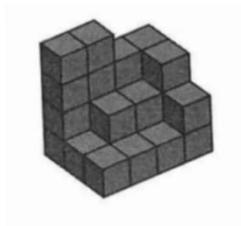
What is the next number in the sequence below?

20, 19, 17, 14, 10, . . .

- A. 4
- B. 5
- C. 6
- D. 7
- E. 8

Question 10

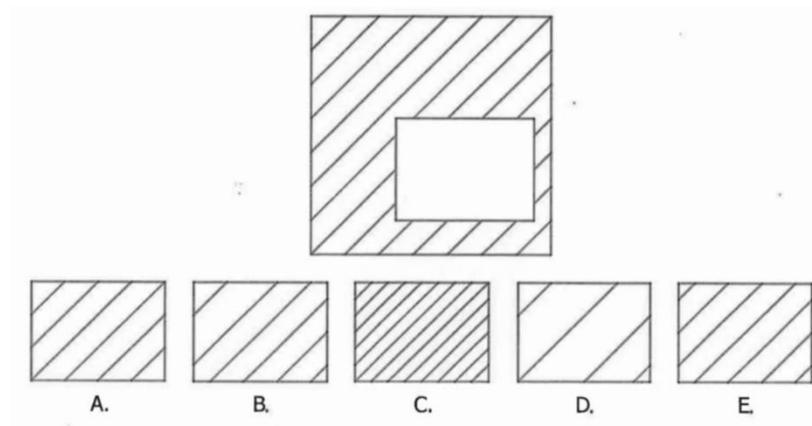
The diagram shows some cubes of the same size stacked at a corner of a room. How many cubes are there altogether? (Note: The floor is horizontal and the two walls are vertical. There are no gaps or holes behind the visible cubes.)



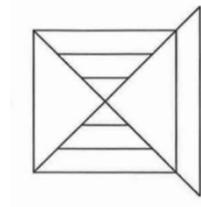
- A. 30
- B. 29
- C. 28
- D. 27
- E. 26

**Question 11**

What is the missing piece of the figure below?


**Question 12**

How many triangles are there in the figure below?



- A. 10
- B. 11
- C. 12
- D. 13
- E. 14

**Question 13**

At a garden party, four flower pots are named Daisy, Rose, Tulip and Jasmine. Daisy and Tulip are the same size. Daisy fits inside Rose, and Rose fits inside Jasmine. Considering this information, which of the following statements is true?

- A. Jasmine can fit inside Tulip Jasmine
- B. Jasmine can fit inside Daisy Jasmine
- C. Tulip cannot fit inside Rose Tulip
- D. Daisy cannot fit inside Rose Daisy
- E. Tulip can fit inside Jasmine Tulip

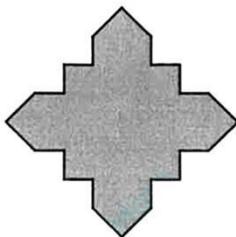
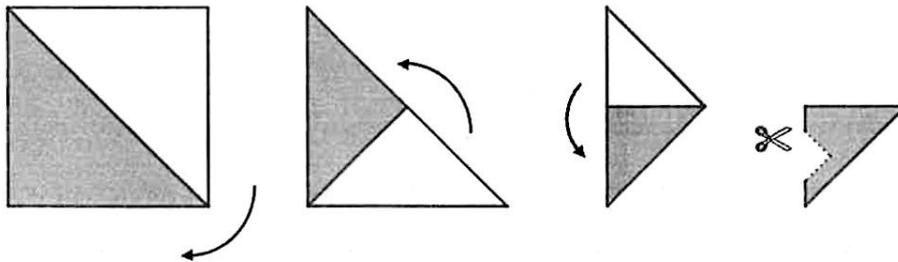
Question 14

Alice, Bella and Claire sit around a circular table, each with a different accessory: bracelet, necklace or earrings. The girl with the necklace is seated to the left of Alice. Claire is to the left of the girl with the earrings. What accessory does each girl have?

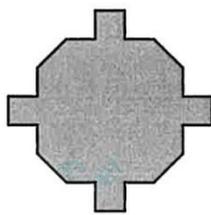
- A. Alice - necklace, Bella-earrings, Claire-bracelet
- B. Alice - bracelet, Bella - necklace, Claire - earrings
- C. Alice - earrings, Bella - bracelet, Claire - necklace
- D. Alice - earrings, Bella - necklace, Claire - bracelet
- E. Alice - necklace, Bella - bracelet, Claire - earrings

Question 15

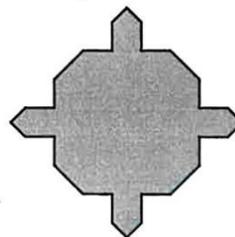
Fold a piece of paper three times and then cut along the dashed line. What image will be revealed when the paper is unfolded?



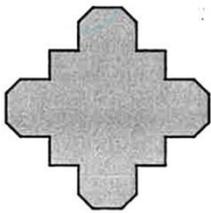
A.



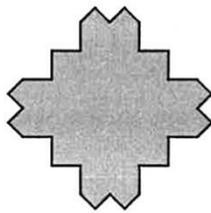
B.



C.



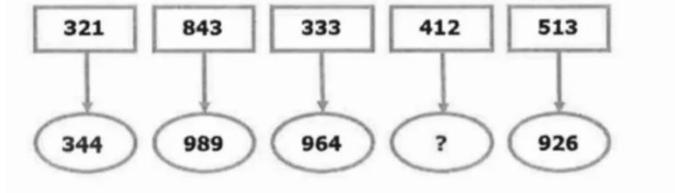
D.



E.

**Question 16**

What is the missing number in the pattern below?


**Question 17**

In a classroom, there are a total of 40 pencils divided between two pencil cases. After moving 12 pencils from the first case to the second one, the first case has 8 more pencils than the second case. How many pencils were initially in the first case?

**Question 18**

How many days are in a month that begins on Monday and ends on Wednesday?

**Question 19**

It is given that

$$\begin{array}{c} \img alt="chick" data-bbox="162 706 198 736" \end{array} \times \begin{array}{c} \img alt="chick" data-bbox="224 706 260 736" \end{array} + \begin{array}{c} \img alt="cow" data-bbox="286 706 332 736" \end{array} = 58$$

$$\begin{array}{c} \img alt="owl" data-bbox="162 753 198 783" \end{array} + \begin{array}{c} \img alt="cow" data-bbox="224 753 270 783" \end{array} = 17$$

$$\begin{array}{c} \img alt="cow" data-bbox="154 800 198 827" \end{array} + \begin{array}{c} \img alt="chick" data-bbox="224 800 260 827" \end{array} + \begin{array}{c} \img alt="owl" data-bbox="296 800 332 827" \end{array} = 24$$

Find the value of



**Question 20**

The sum of the digits of an odd 3-digit number is 9. What is the largest possible such 3-digit number?

**Question 21**

I am a 3-digit even number.

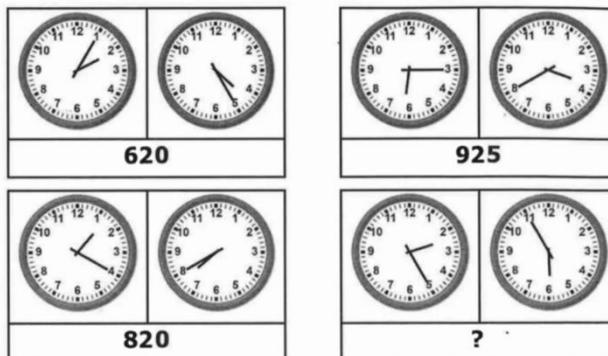
All my digits are different.

The digits in my number are arranged in increasing order from left to right.

The digits in my tens and ones places add up to 8.

**Question 22**

Study the picture and find the missing number.


**Question 23**

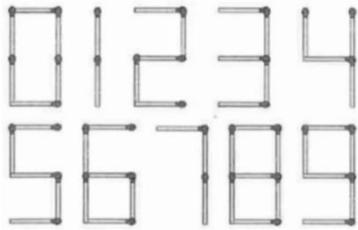
How many 3-digit numbers have only even digits?

## Question 24

Two years ago, Tom was three times as old as Bob. Three years from now, the sum of their ages will be 30. What is the difference between their ages now?

## Question 25

How many different 2-digit odd numbers can be formed using an odd number of matchsticks in total?



# ANSWER

1-5: ACEBD

6-10: DCCBD

11-15: EDECC

16: 625

17: 36

18: 31

19: 8

20: 801

21: 126

22: 730

23: 100

24: 10

25: 22

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