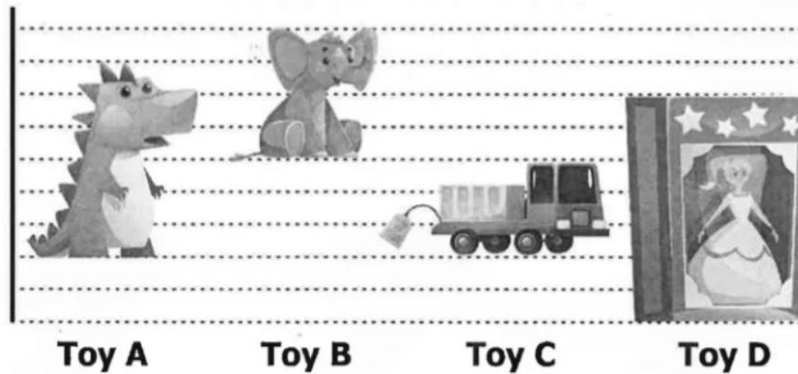


## 2024 SASMO G2

### Question 1

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



- A. Toy D, Toy A, Toy B, Toy C
- B. Toy C, Toy B, Toy D, Toy A
- C. Toy C, Toy B, Toy A, Toy D
- D. Toy B, Toy C, Toy A, Toy D
- E. None of the above

### Question 2

How many dots are there in the figure?



- A. 101
- B. 103
- C. 105
- D. 109
- E. None of the above

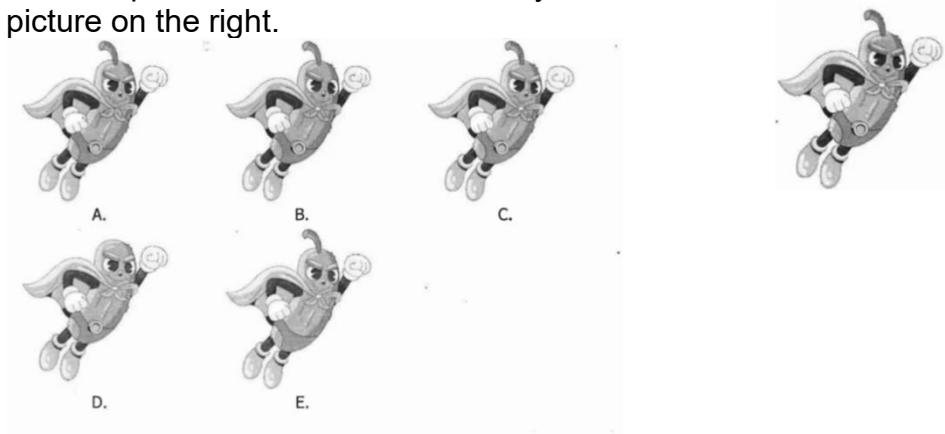
### Question 3

How many numbers between 101 and 351 are exactly divisible by both 2 and 5?

- A. 125
- B. 50
- C. 26
- D. 25
- E. None of the above

## Question 4

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



## Question 5

What is the next number in the sequence below?

30, 29, 27, 24, 20, 15, ...

- A. 9
- B. 10
- C. 11
- D. 13
- E. None of the above

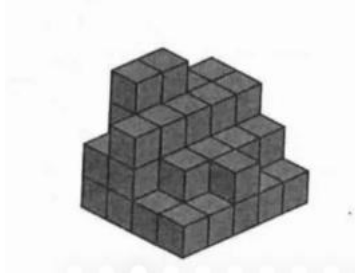
## Question 6

Which of the following numbers is a multiple of 3?

- A. 79
  - B. 368
  - C. 7311
  - D. 9631
  - E. None of the above
-

### Question 7

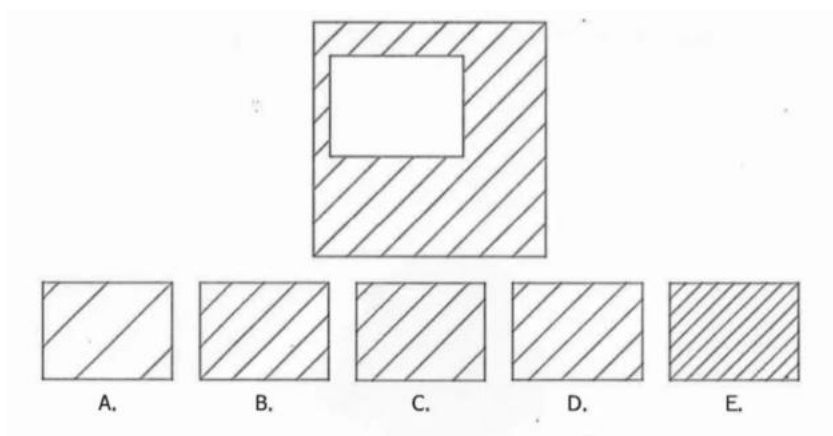
The diagram shows some cubes of the same size stacked at a corner of a room. How many cubes are there altogether? (Note: The floor is horizontal and the two walls are vertical. There are no gaps or holes behind the visible cubes.)



- A. 47
- B. 46
- C. 45
- D. 43
- E. None of the above

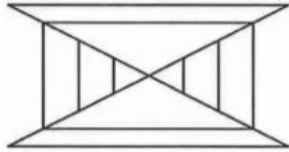
### Question 8

What is the missing piece of the figure below?



### Question 9

How many triangles are there in the figure below?



- A. 10
- B. 12
- C. 14
- D. 16
- E. None of the above

### Question 10

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

- A. Lily cannot fit inside Tulip
- B. Tulip can fit inside Violet
- C. Violet can fit inside Rose
- D. Rose can fit inside Violet
- E. None of the above

### Question 11

What is the sum of the digits of the product below?

$$32 \times 13 \times 75 \times 125$$

- A. 12
- B. 10
- C. 9
- D. 3
- E. None of the above

### Question 12

Amy, Brenda and Carol 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 Amy. Carol is to the left of the girl with the earrings. What accessory does each girl have?

- A. Amy - necklace, Brenda - earrings, Brenda- bracelet
- B. Amy - earrings, Brenda - necklace, Carol - bracelet
- C. Amy - necklace, Brenda - bracelet, Carol - earrings
- D. Amy - earrings, Brenda - bracelet, Carol - necklace
- E. None of the above

### Question 13

In a classroom, there are a total of 80 pencils divided between two pencil cases. After moving 12 pencils from the first case to the second one, the first case has 6 more pencils than the second case. How many pencils were initially in the second case?

- A. 25
- B. 37
- C. 43
- D. 55
- E. None of the above

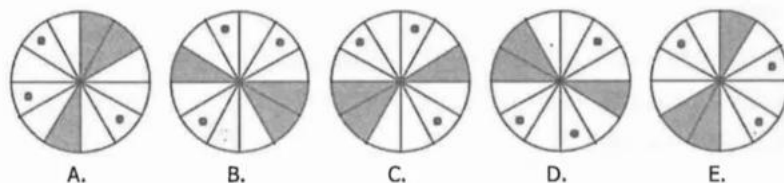
### Question 14

How many days are in a month that begins on Saturday and ends on Sunday?

- A. 31
- B. 30
- C. 29
- D. 28
- E. None of the above

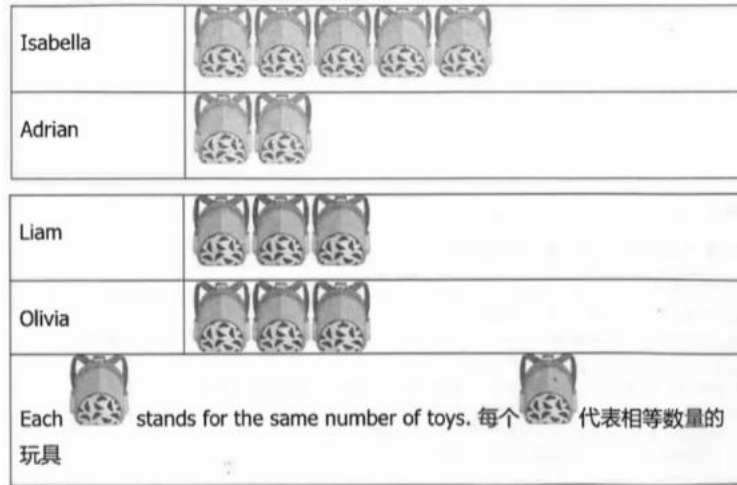
### Question 15

Which one is the odd one out?



### Question 16

The picture graph below shows the number of toys that 4 students have. How many toys does the figure stand for if the students have 91 toys in total?



### Question 17

It is given that

$$\begin{aligned}
 &\text{cat} \times \text{cat} + \text{dog} = 52 \\
 &\text{dog} + \text{cat} = 12 \\
 &\text{cat} \times \text{cat} = 25
 \end{aligned}$$

Find the value of



### Question 18

The sum of the digits of an even 3-digit number is 11. What is the largest possible such 3-digit number?

## Question 19

Emily wrote all 3-digit multiples of 5. How many times did she write the digit 5?

## Question 20

I am a 3-digit odd number.

- All my digits are different.
- The digits in my number are arranged in decreasing order from left to right.
- The digits in my hundreds and tens places add up to 5.

What number am I?

## Question 21

How many 3-digit numbers have only odd digits?

## Question 22

Two years ago, Tom was four 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?

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$$\begin{array}{r} \phantom{+} A B D \\ + \phantom{A} A B A \\ \hline D A F E \end{array}$$



# ANSWER

1-5: CADCA  
6-10: CBDCC  
11-15: ADABC  
16: 7  
17: 9  
18: 920  
19: 128  
20: 321  
21: 125  
22: 12  
23: 3  
24: 90  
25: 1950

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