

# CAT4 Level X

# Sample Questions

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# Quick Overview of the CAT4 Level X

The CAT4 Level X exam for Year 2 students is structured around four principal cognitive domains: Verbal, Non-verbal, Quantitative, and Spatial abilities.

- Verbal: This section gauges a child's ability to reason using words and language.
- Non-Verbal: In this part, students are tested on their ability to solve problems using shapes and patterns, disconnected from language.
- Quantitative: This segment tests a child's numerical reasoning abilities.
- Spatial: This section tests a child's understanding of space, shapes, and measurements.

Each of these cognitive domains is evaluated using dedicated test sections. The exam is divided into two parts, with two subsections in each part:

## **Part 1**

Figures (non-verbal reasoning) – 12 minutes

Words (verbal reasoning) – 10 minutes

## **Part 2**

Numbers (quantitative reasoning) – 10 minutes

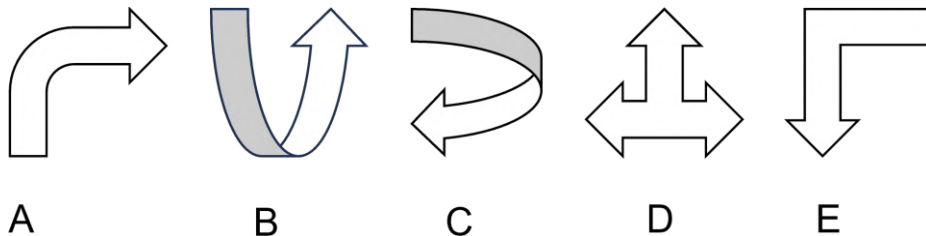
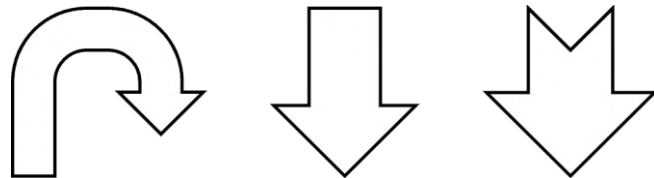
Shapes (spatial ability) – 11 minutes

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## Figures (Non-Verbal Reasoning)

Choose the answer that shares the same connection/characteristic as the three given images.

### Question #1

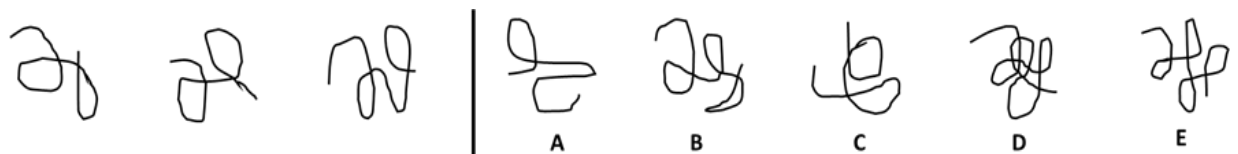


### Correct Answer & Explanation:

The correct answer is (E).

The three given shapes are all arrows that are pointing down. The correct answer must also be an arrow pointing down. Therefore, the correct answer is (E).

### Question #2

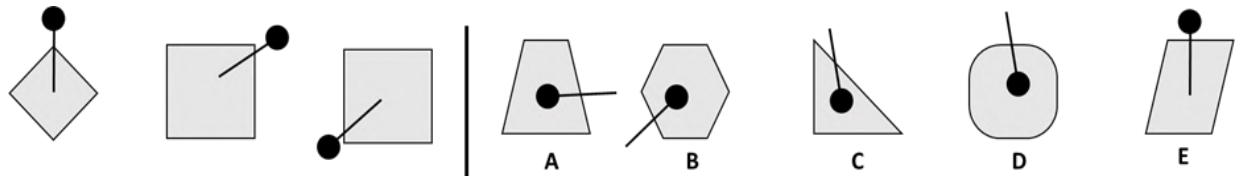


Correct Answer & Explanation:

The correct answer is C.

Each figure has two intersections on the line. The only option with two intersections is (C).

**Question #3**



Correct Answer & Explanation:

The correct answer is E.

Each figure has a large shape containing a black circle beside it, with **one line extending inside the shape**.

## Words (Verbal Reasoning)

*Choose the word that belongs in the same group as the first three words.*

**Question #4**

stove | refrigerator | dishwasher

- A. cook
- B. kitchen
- C. microwave
- D. pots
- E. home

Correct Answer & Explanation:

The first three words are stove, refrigerator, and dishwasher. These are all kitchen appliances. So, we need to select the answer choice that is also a kitchen appliance. The correct answer is (C) - microwave.

**Question #5**

mug | cup | glass

- A. drink
- B. goblet
- C. bowl
- D. liquid
- E. plastic

Correct Answer & Explanation:

The first three words are mug, cup, and glass. These are all containers to hold drinks or beverages. Therefore, we must select the answer choice, which is also a beverage container. The correct answer is (B) - goblet.

## Numbers (Quantitative Reasoning)

*Each question provides a series of numbers that have a rule. Use the rule to determine which number will come next in the series.*

**Question #6**

5 7 8 10 11 13 14 16 17 ?

- A. 15
- B. 18
- C. 19
- D. 20
- E. 21

Correct Answer & Explanation:

In this series, the pattern is as follows: first, 2 is added, then 1 is added, then 2 is added, then again 1 is added; then the pattern repeats itself: 2 is added, then again 1 is added, then 2 is added, then again 1 is added, and so on.

The pattern is: **+2, +1, +2, +1, +2, +1, +2, +1, ...**

The last three numbers in the series are 14, 16, and 17; 16 is larger than 14 by 2, and 17 is larger than 16 by 1. Therefore, the next number in the series should be larger than 17 by 2.

$$17 + 2 = 19$$

Therefore, the correct answer is (C) - 19.

**Question #7**

3   6   7   14   15   30   ?

- A. 16
- B. 31
- C. 45
- D. 60
- E. 51

Correct Answer & Explanation:

In this series, the pattern is as follows: first, the number doubles, then 1 is added to the result; then it doubles again, then 1 is added, and so on.

The pattern is: **x2, +1, x2, +1, ...**

The last two numbers in the series are 15 and 30, where 30 is twice of 15, so the next number in the series should be larger than 30 by 1.

$$30 + 1 = 31$$

Therefore, **(B) - 31**, is the correct answer.

### Question #8

4 66 3 66 2 66 ?

- A. 33
- B. 36
- C. 66
- D. 1
- E. 5

#### Correct Answer & Explanation:

The correct answer is (D) - 1.

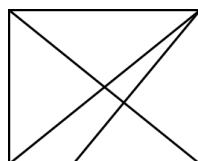
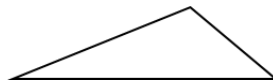
A pattern is established in the given sequence of numbers where numbers starting from 4 descend with an alternate number 66 falling in between. The last two numbers in the sequence are 2 and 66.

Therefore, it is evident that the next number will be less than 2, which is 1.

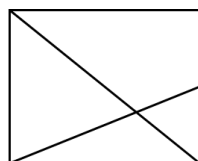
## Shapes (Spatial Ability)

Choose the answer choice that contains the given shape. The shape must keep its size and orientation.

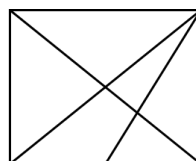
### Question #9



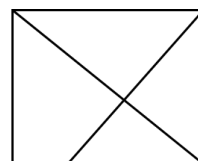
A



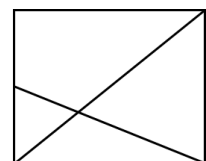
B



C



D



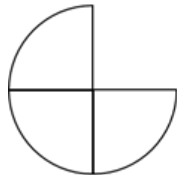
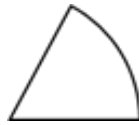
E

Correct Answer & Explanation:

The correct answer is (B).

The shape is visible at the bottom of the figure.

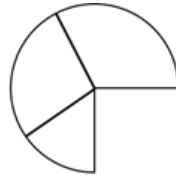
**Question #10**



A



B



C



D



E

Correct Answer & Explanation:

The correct answer is (D).

The shape is visible at the top right side of the figure.

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**Good Luck!**