



PDF Sample Questions for

CAT4 Level D

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Introduction



-
- This practice will help you and your child understand the CAT4 Level D questions.
 - CAT4-Prep members made all questions— we are a **FREE Resource**.
 - Detailed explanations and answers for each question are provided at the end.
 - If you're looking for a Full CAT4 preparation - [we recommend this course](#).
 - Check out our article for everything you need to know about the [CAT4 Level D](#).
 - If you spot any errors in the document, please [report them here](#).



Figure Classification

How to solve these questions?

The Figure Classification questions show three pictures that share a connection or a characteristic

From the answer choices, choose the answer which shares the same **connection/characteristic**.

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Question 1

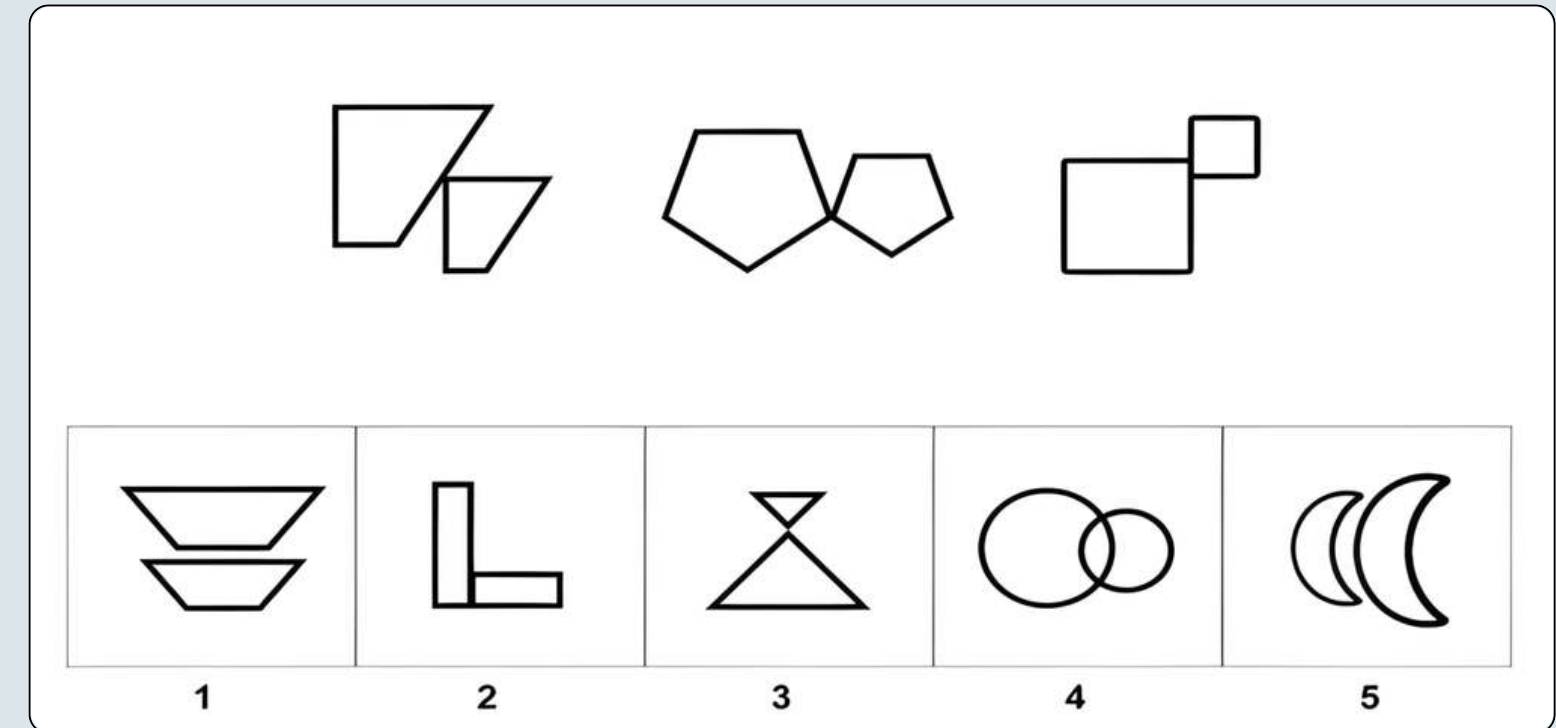


Figure Classification

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Question 2

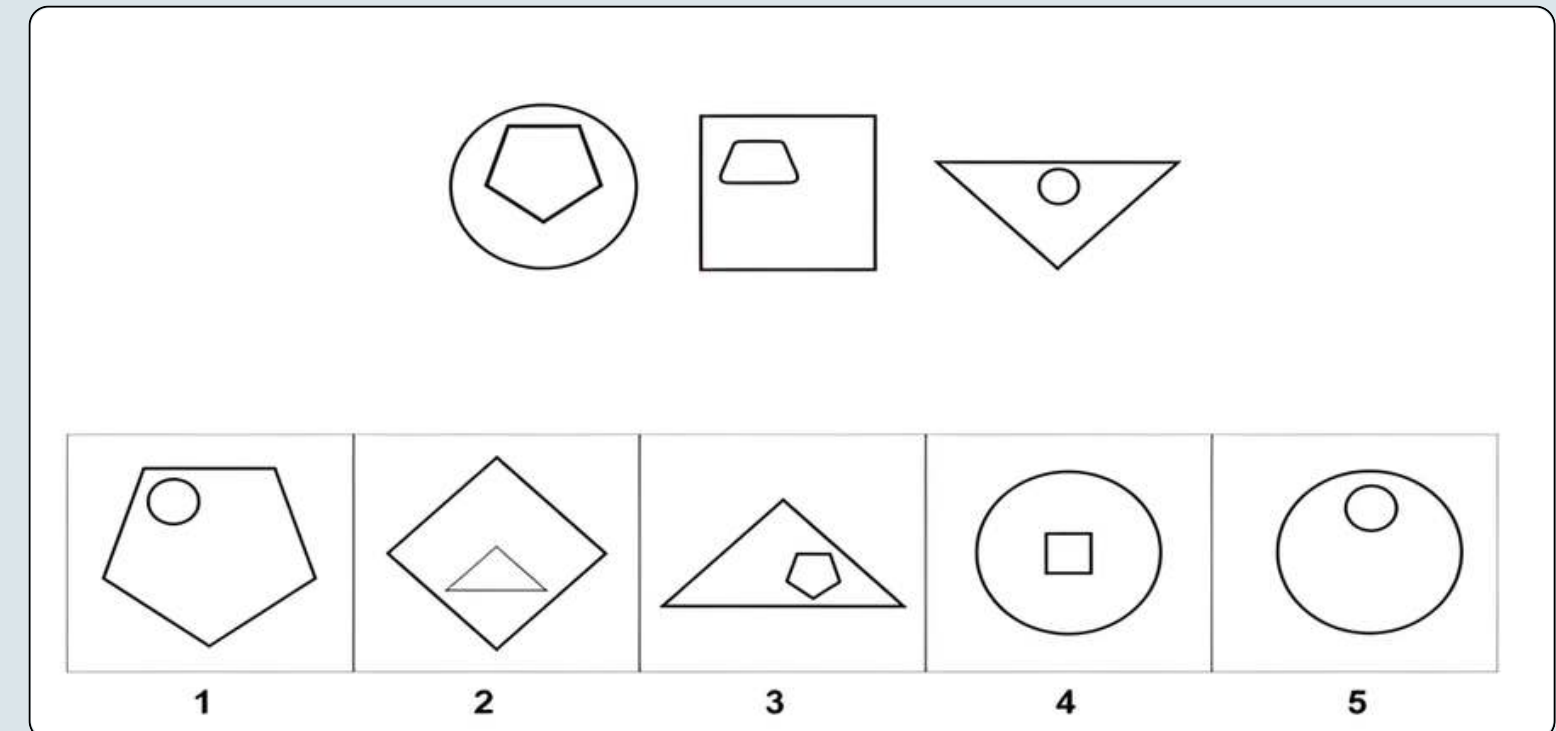


Figure Matrices

How to solve these questions?

Figure Matrix questions are either 2x2 or 3x3 matrices, composed of different pictures.

In each row and/or column the pictures change in the same way or **follow the same rule**.

Choose an answer choice that goes in the empty box in the matrix that **follows the same rule**.

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Question 3

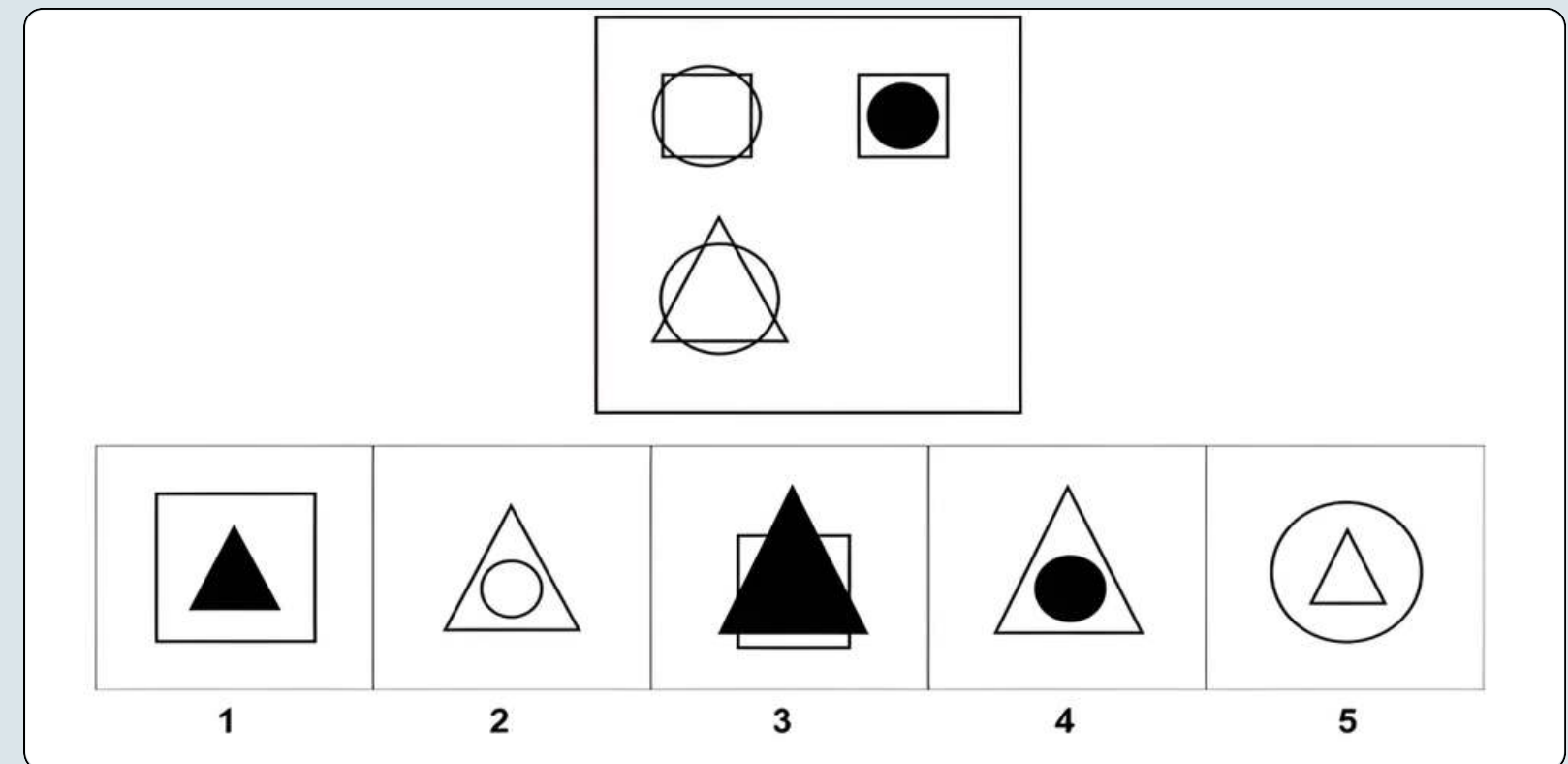


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Question 4

The puzzle consists of a 3x3 grid of figures. The first two rows are complete, and the third row has one empty cell. Below the grid are five numbered answer choices.

Answer choices:

-
-
-
-
-

Figure Analysis

How to solve these questions?

Figure Analysis questions present a paper folded several times and then punched with holes.

The answer choices contain unfolded papers with punched-in holes.

You need to determine which of the answer choices is the final product of the unfolded punched-in paper.

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Question 5

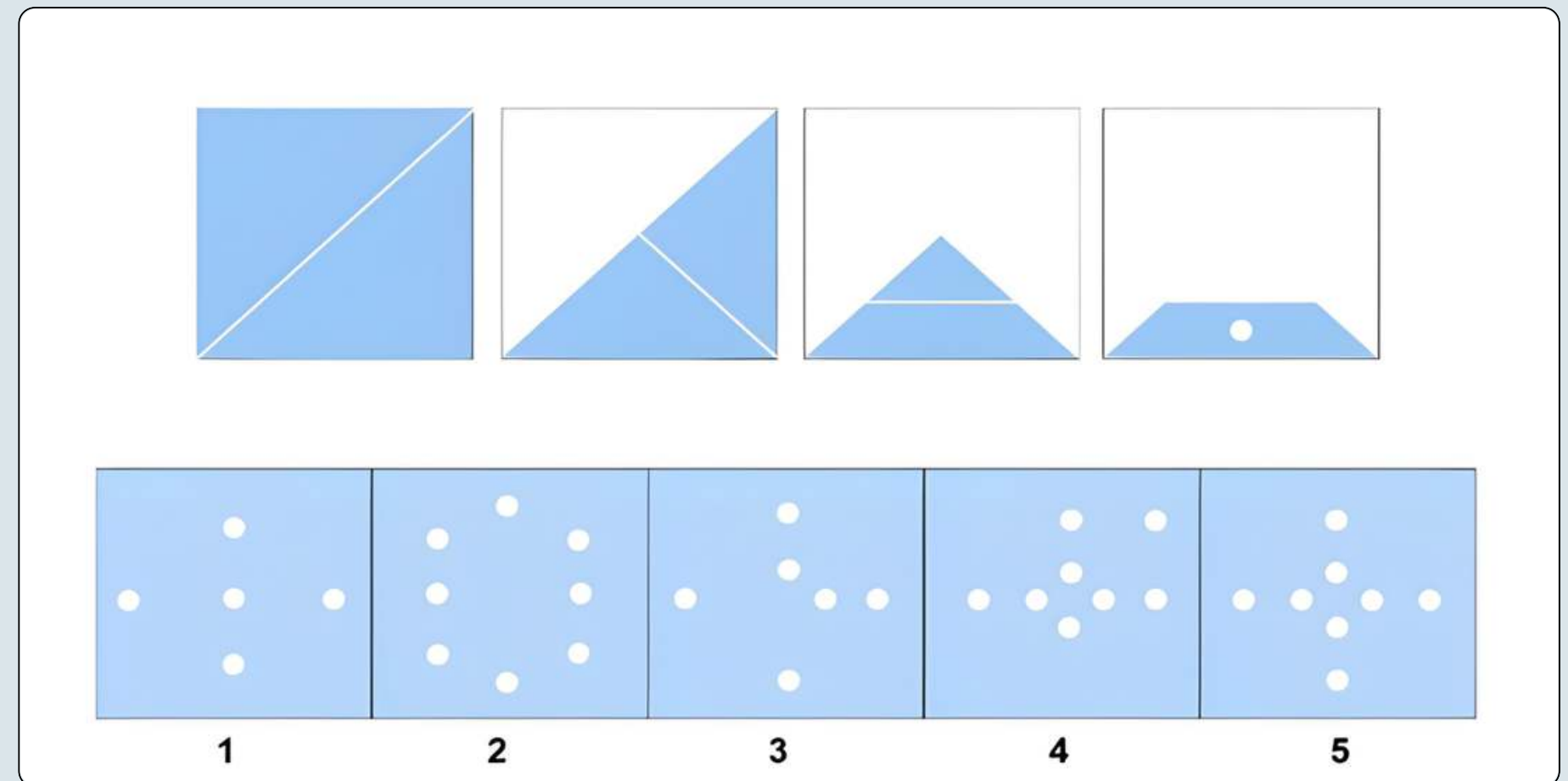


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Question 6

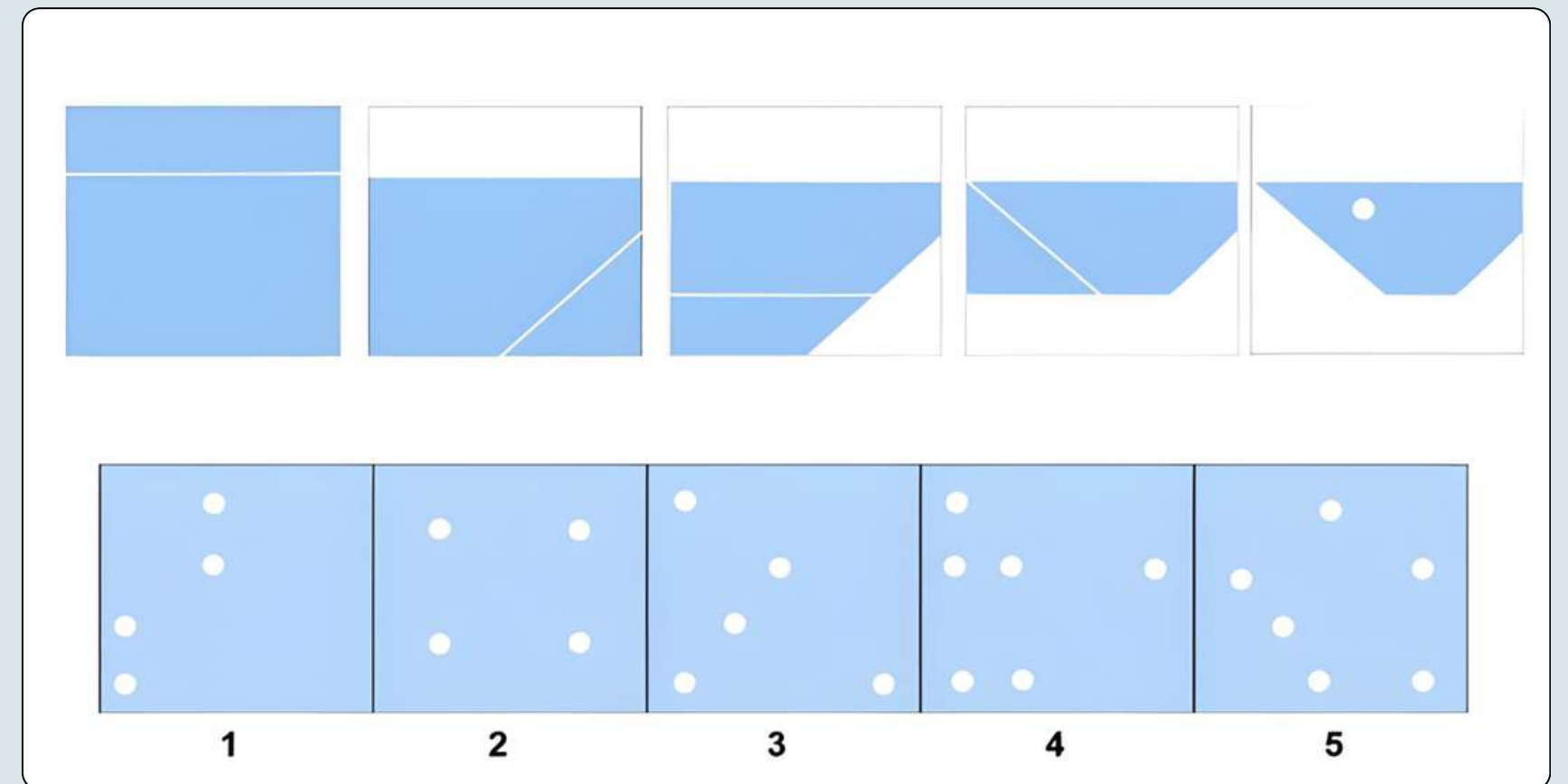


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Question 7

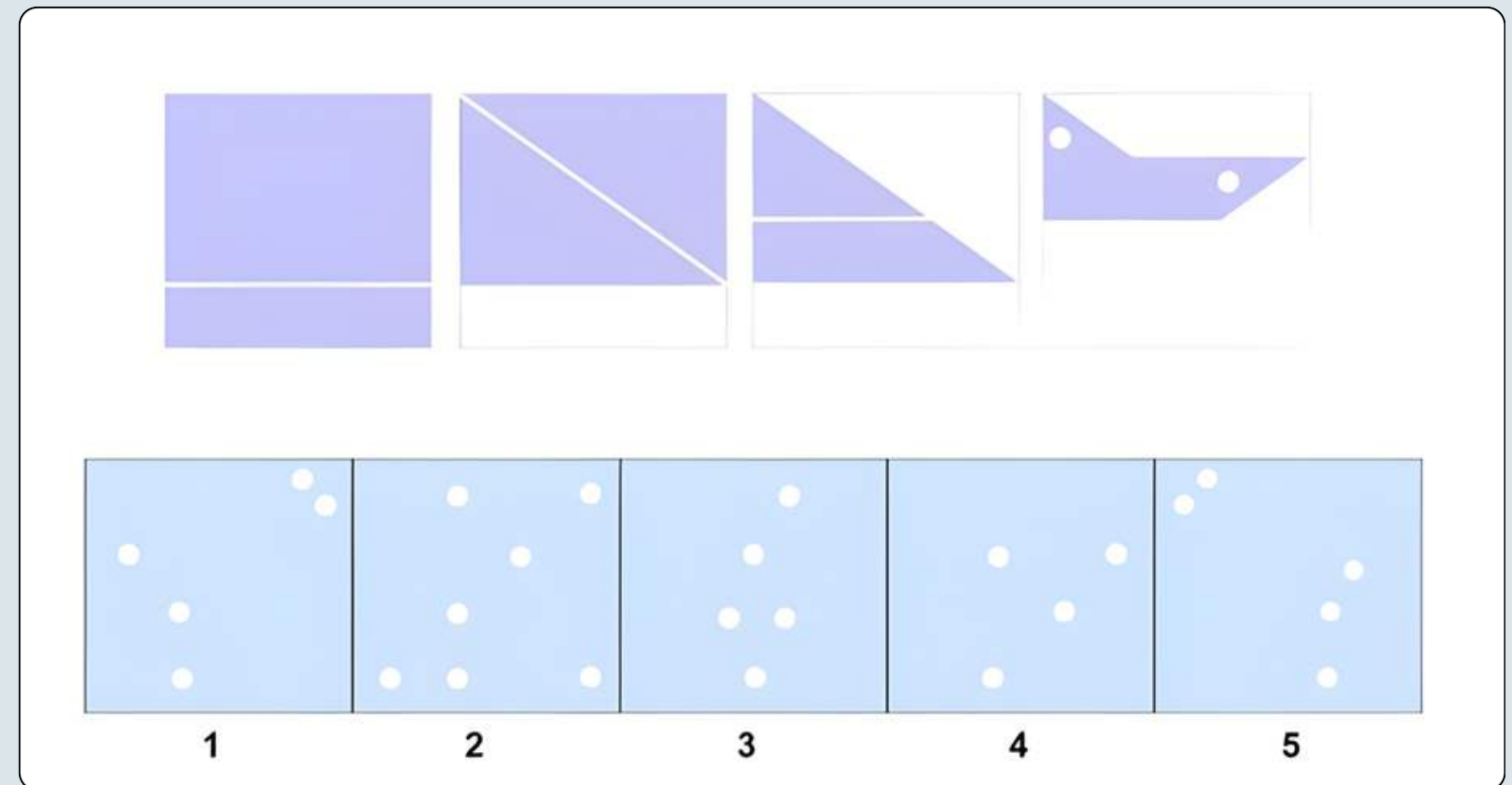


Figure Recognition

How to solve these questions?

Figure Recognition questions present a shape alongside five answer choices containing complex designs.

You must choose the design which contains the target shape.

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Question 8

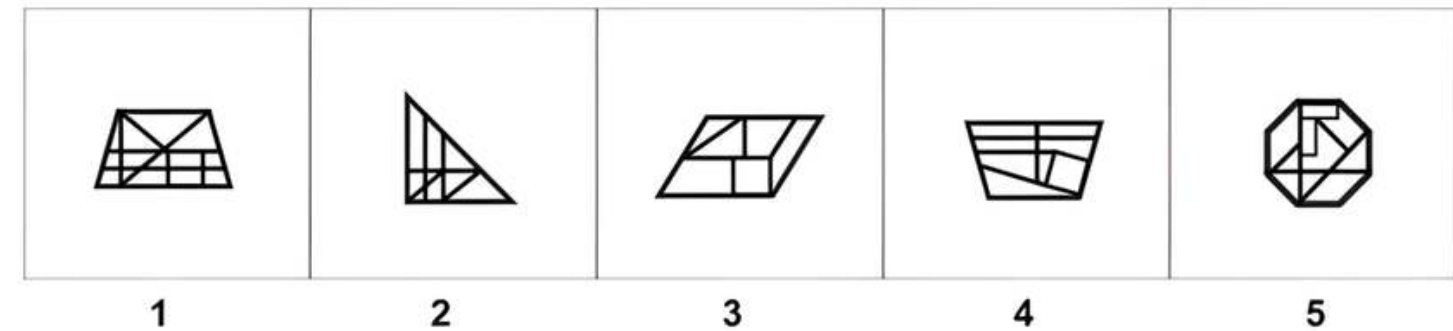
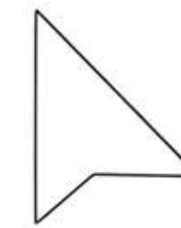


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Question 9

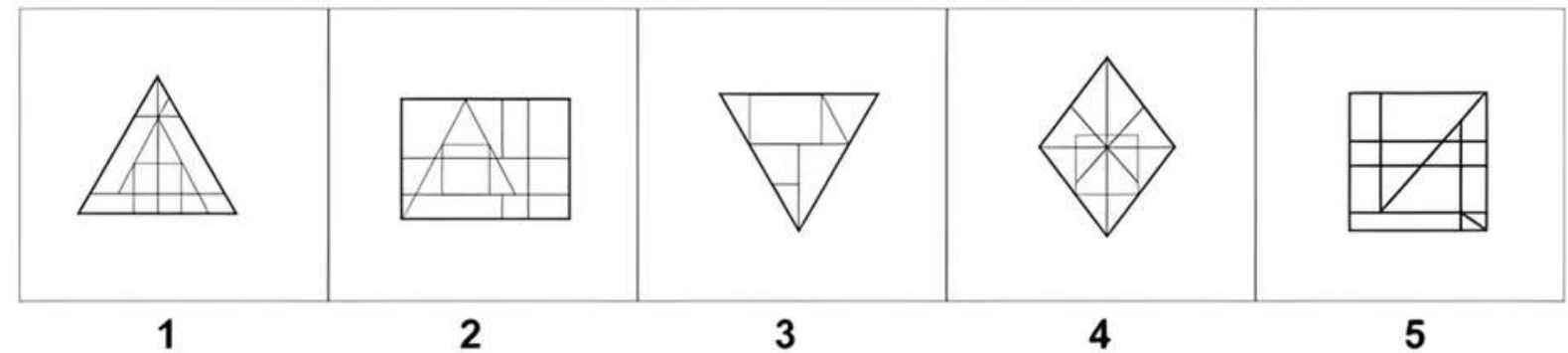
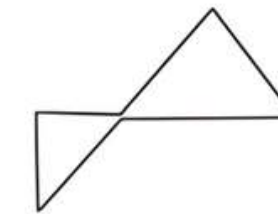


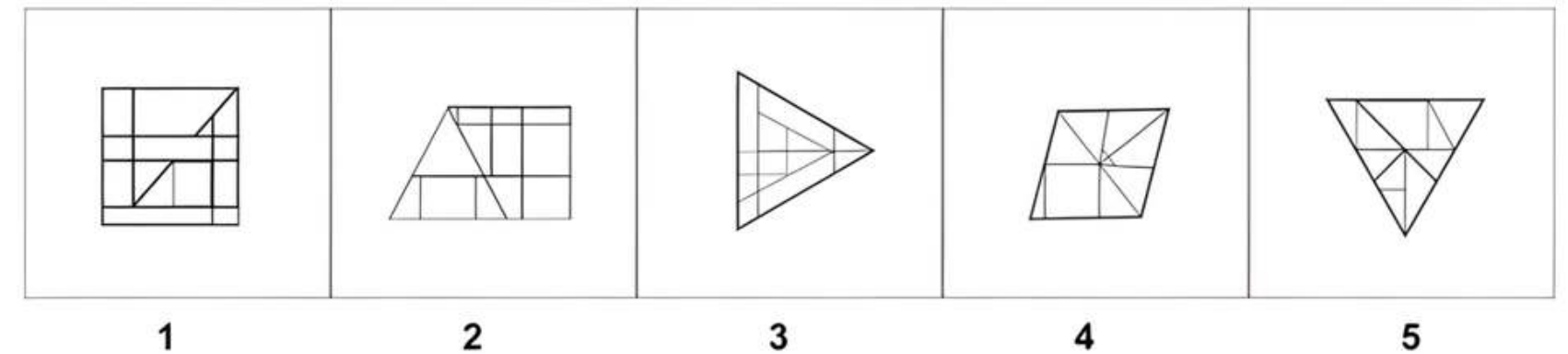
Figure Recognition

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Question 10



Verbal Classification

How to solve these questions?

These questions show us **three words** that are **connected**.

Your mission is to find the word from the answer choices that **share the same connection**.

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Question 11

Courageous | Brave | Valiant

Options:

- A) timid
- B) daring
- C) bold
- D) cowardly
- E) hesitant

Verbal Classification

How to solve these questions?

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Question 12

Delighted | Joyful | Ecstatic

Options:

- A) unhappy
- B) miserable
- C) thrilled
- D) calm
- E) indifferent

Verbal Analogies

How to solve these questions?

The first pair of words have a **special relationship** in verbal analogy questions.

Your task is to **choose the word** that completes a second pair of words, similarly, maintaining that special relationship.

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Question 13

whisper **shout : stroll**

Options:

- A) sprint
- B) walk
- C) stop
- D) run
- E) crawl

Verbal Analogies

How to solve these questions?

The first pair of words have a **special relationship** in verbal analogy questions.

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Question 14

Seatbelt **injury : sunscreen**

Options:

- A) beach
- B) sunburn
- C) tanning
- D) garment
- E) safety

Number Analogies

How to solve these questions?

Your goal is to identify the relationship between the numbers in the first two pairs and use that relationship to **determine the missing number in the third pair**.

Your objective is to **select** the number that demonstrates the same relationship as the numbers in the first two pairs when placed in the third pair.

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Question 15

[12 40] [8 28] [6 ?]

Options:

- A) 16
- B) 18
- C) 20
- D) 22
- E) 24

Number Analogies

How to solve these questions?

Your goal is to identify the relationship between the numbers in the first two pairs and use that relationship to **determine the missing number in the third pair**.

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Question 16

[25 5] [49 7] [64 ?]

Options:

- A. 6
- B. 8
- C. 10
- D. 12
- E. 14

Number Series

How to solve these questions?

In Number Series questions, you will see a sequence of numbers that **follow a specific rule**.

You must select a number from the answer choices that can **replace the question mark** and continue the series using the same rule.

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Question 17

41 39 37 40 38 36 39 37 ?

Options:

A) 33

B) 34

C) 35

D) 37

E) 39

Number Series

How to solve these questions?

In Number Series questions, you will see a sequence of numbers that **follow a specific rule**.

You must select a number from the answer choices that can **replace the question mark** and continue the series using the same rule.

Question 18

9 16 23 30 37 ?

Options:

- A. 45
- B. 42
- C. 44
- D. 47
- E. 46

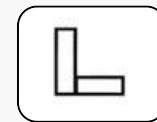
SOLUTION AND EXPLANATIONS

Question 1

The correct answer is 2.

All pictures consist of two identical shapes, one bigger and one smaller. Two figures are touching and the smaller one is always on the right side.

The only choice that follows that pattern is 2.

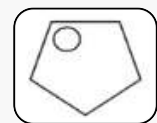


Question 2

The correct answer is 1.

In this question, the pattern is as follows: • Each picture contains one small figure inside of a bigger figure.

- The internal figure is always in a different shape than the outer one.
- The internal figure is always in the upper half of the outer figure never in the center.



Question 3

The correct answer is 4.

In this question, in the top row, from left to right, the first figure has a circle overlapping with the square, with the circle being white and bigger than the square. The second figure circle turns black and is now fitting inside the square. Therefore, for the second row, the first figure is the white circle overlapping with the triangle being the bigger of the two. Then it should transform into black circle and fit inside the triangle.



SOLUTION AND EXPLANATIONS

Question 4

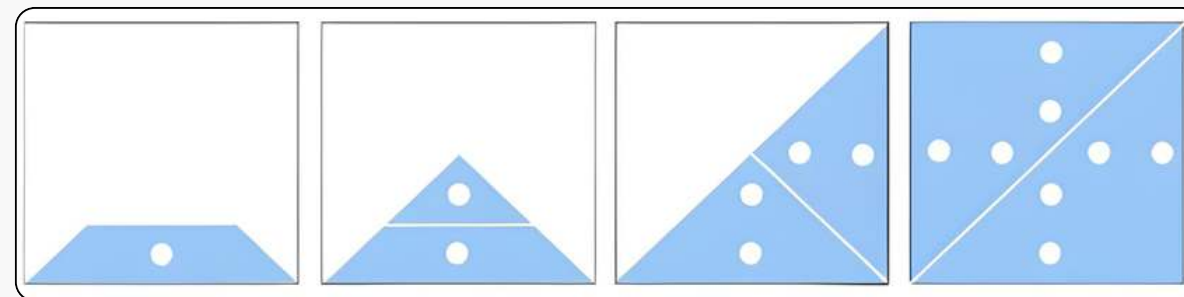
The correct Answer is 3.

In this question, the pictures consist of varying shapes that have different combinations of lines and circles in them. There are two different patterns, one for the shapes and one for the lines and circles inside. The pattern for the shapes is that they move along one space, to the left as you look down the rows, or upwards if you look across the columns. Notice that each row and each column include exactly one of each shape: one irregular hexagon, one shield, and one circle. The pattern for the lines and circles is as follows: across the rows from left to right, or up the columns from bottom to top, in the third picture (the right or the bottom), the number of triangles is the result of subtracting lines and circles (1st pic - 2nd pic = 3rd pic). That means that for the missing picture, we have circle-line-line-line minus line-line which equals circle-line. answer. Based on the shapes pattern, the missing picture should be a shield, thus eliminating answers 2, 4 and 5. Based on the circle/lines pattern, we need to have 1 circle and 1 line, thus eliminating 1. The only remaining possible answer is 3.



Question 5

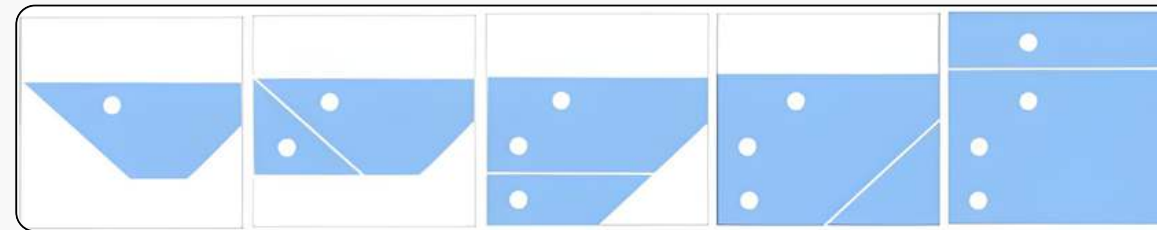
The correct answer is 5.



SOLUTION AND EXPLANATIONS

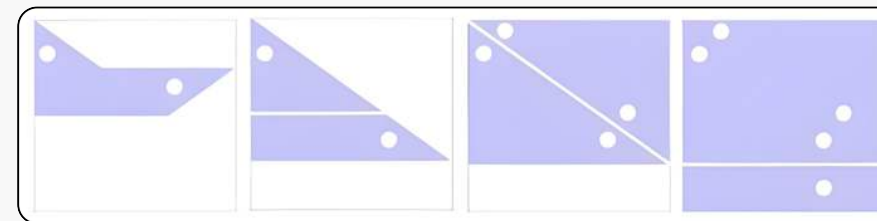
Question 6

The correct Answer is 1.



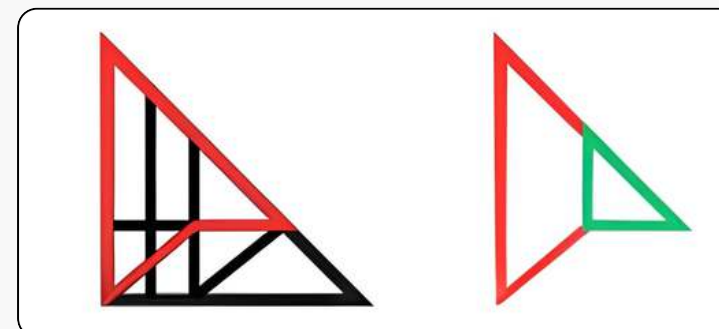
Question 7

The correct Answer is 5.



Question 8

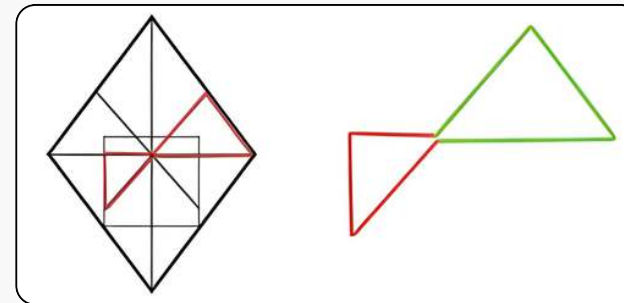
The correct Answer is 2.



SOLUTION AND EXPLANATIONS

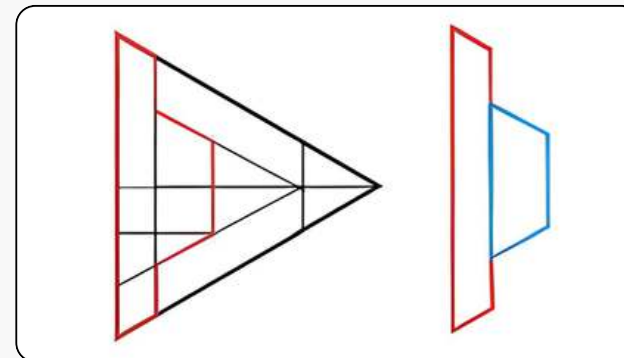
Question 9

The correct Answer is 4.



Question 10

The correct Answer is 3.



SOLUTION AND EXPLANATIONS

Question 11

The correct Answer is C.

The correct answer is C - 'bold'.

All the words in the question describe a person with courage or fearlessness. The word "bold" fits this category as it also signifies confidence and bravery.

Question 12

The correct Answer is C.

All the words in the question describe states of happiness or extreme pleasure. The word "thrilled" aligns with this theme, as it also denotes great excitement or joy.

Question 13

The correct Answer is A.

A whisper is a quiet, subdued version of a shout, just as a stroll is a slow, relaxed version of a sprint. Both pairs represent a progression from a mild action to an intense one.

SOLUTION AND EXPLANATIONS

Question 14

The correct Answer is B.

A seatbelt helps protect you from injury in the event of a car accident, just as sunscreen helps protect you from sunburn caused by the sun's harmful UV rays.

The other choices either describe related but broader concepts or are not forms of harm from which sunscreen protects.

Question 15

The correct Answer is D.

A straightforward way to see the pattern is to notice that in each pair, the second number can be obtained by multiplying the first by 3 and then adding 4:

For the first pair: $12 \times 3 + 4 = 40$. For the second pair: $8 \times 3 + 4 = 28$. Using this rule for the third pair: $6 \times 3 + 4 = 22$

Question 16

The correct Answer is B.

Look at the numbers in the first pair and try to find the rule they follow. How do we get from 25 to 5? We see that if we take the square root of the first number,

we get the second number: $\sqrt{25} = 5$. Does this rule work for the second pair, as well? When we take the square root of 49, we get 7: $\sqrt{49} = 7$.

The rule "take the square root of the first number to get the second" works in both pairs, so in the next pair we should also take the square root: $\sqrt{64} = 8$.

SOLUTION AND EXPLANATIONS

Question 17

The correct Answer is C.

Identify the pattern: Notice the series alternates in a cycle of three steps:

Subtract 2 | Subtract 2 | Add 3

Check each group of three moves:

41 39 (-2) | 39 37 (-2) | 37 40 (+3) | 40 38 (-2) | 38 36 (-2) | 36 39 (+3) | 39 37 (-2)

37 ? (-2 again in the cycle).

Determine the next term: **$37-2=35$** .

Question 18

The correct Answer is C.

To find the next number, let's analyze the differences between consecutive terms:

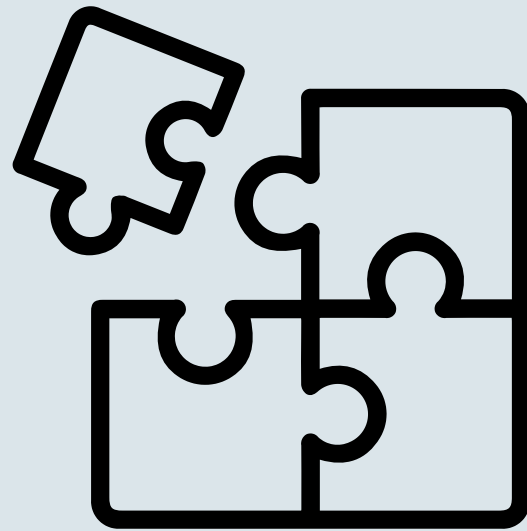
- $16-9=7$
- $23-16=7$
- $30-23=7$
- $37-30=7$

The difference between each consecutive term is 7, which indicates this is a sequence where each term increases by a fixed value of 7.

Next Step:

Add 7 to the last term $37+7=44$

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