



OLSAT LEVEL F

6th to 8th Grade

PDF Sample Test

Downloadable Practice Test with Answers – Get a Feel for the Exam & Increase Your Chances of Scoring High

* The correct answers and explanations are located at the end of this PDF.

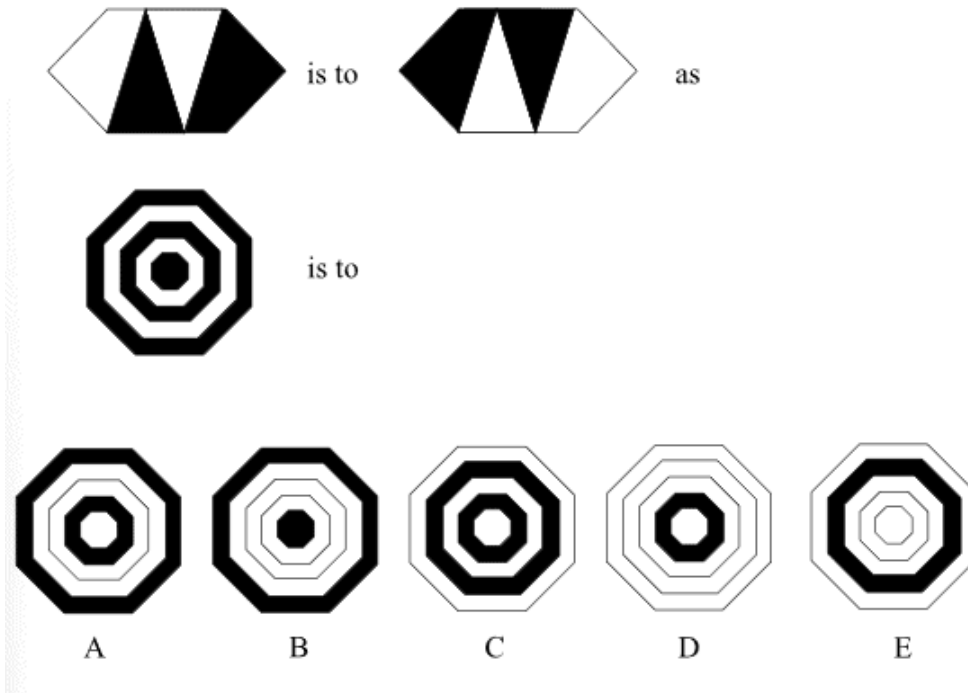
Practice Questions

OLSAT LEVEL F Nonverbal Reasoning Practice Questions

Question #1

Figural Analogies

Identify the relationship between the pairs of shapes below.



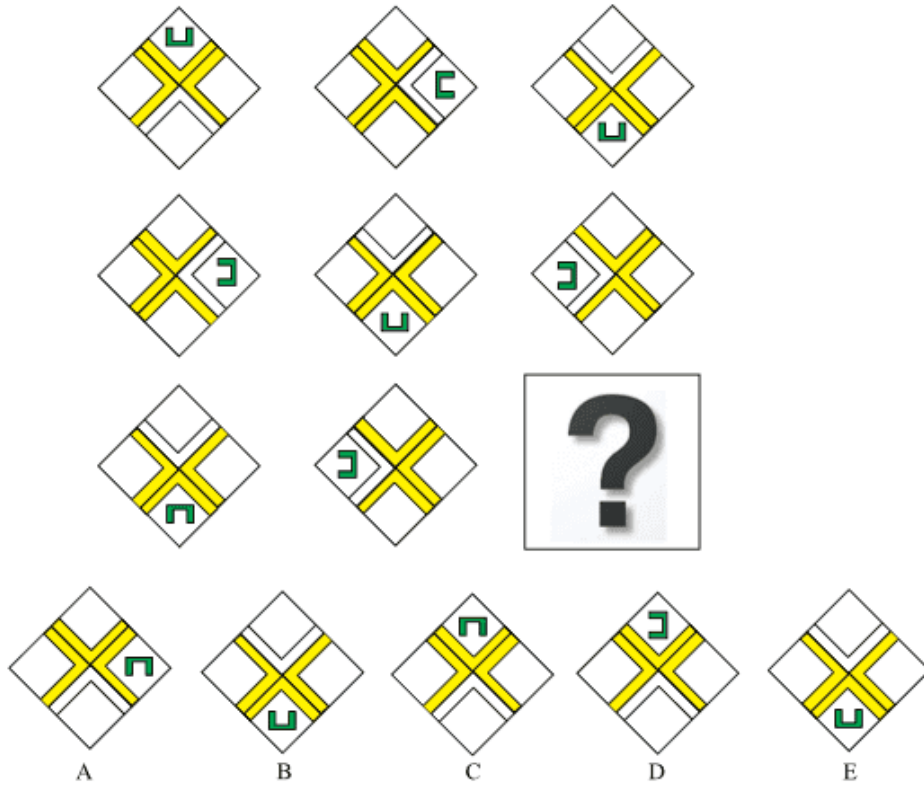
The problem consists of two rows of shapes. The first row shows a pentagon with two black triangles pointing towards each other from the bottom, with the top-left and top-right corners being white. This is followed by the text "is to", then a second pentagon where the two black triangles have swapped positions (top-left and top-right are black, bottom-left and bottom-right are white), followed by the text "as". The second row shows a large octagon with a thick black border, a white ring, a black ring, a white ring, and a small black circle in the center, followed by the text "is to". Below this are five options labeled A through E, each showing a different arrangement of concentric octagons and a central circle.

A B C D E

Question #2

Pattern Matrix

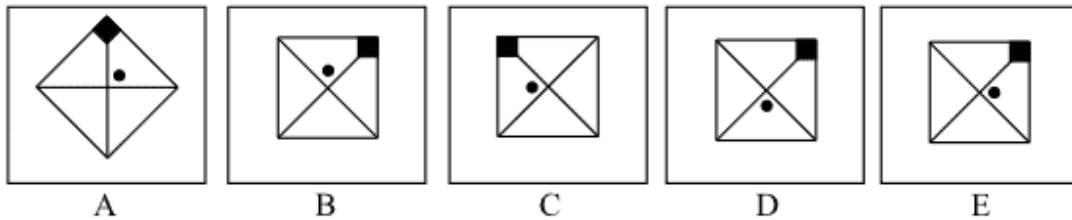
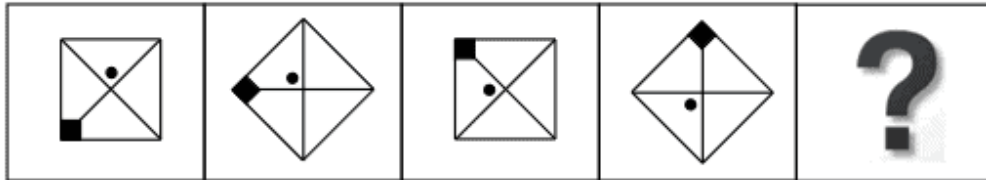
The pictures in the box go together in a certain way. Choose the picture that goes in the empty space.



Question #3

Figural Series

Find the next shape in the pattern.

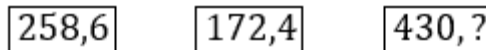


OLSAT Level F Quantitative Reasoning Practice Questions

Question #4

Numeric Inference

Each group of numbers in the boxes follows the same pattern. Figure out the rule used to relate the numbers in each box, then determine which number should replace the question mark in the last box:



- A. 6
- B. 7
- C. 8
- D. 9
- E. 10



Question #5

Number Matrix

The numbers in the box are arranged according to a rule. Choose the correct number to fill in the missing spot by identifying the rule.

68	84	16
28	30	?
40	54	14

- A. 1
- B. 2
- C. 12
- D. 21
- E. 11

Question #6

Number Series

You're presented with a series of numbers that follow a specific pattern. Your goal is to figure out the rule and complete the sequence by finding the missing number.

5, 0.5, 0.05, 0.005, 0.0005, 0.00005, ?

- A. 50
- B. 500
- C. 0.000005
- D. 0.00005
- E. 5



OLSAT Level F Verbal Comprehension Practice Questions

Question #7

Sentence Completion

Choose the correct word/words to complete a sentence.

Maria's passion is photography. As she witnessed the _____ of the spectacular sunset over the mountains, she began to _____ images with her new camera.

- A. brightness ... avoid
- B. beauty ... ignore
- C. splendor ... capture
- D. glare ... delete
- E. darkness ... develop

Question #8

Sentence Arrangement

If the words below were arranged to make the best sentence, with which letter would the last word of the sentence begin?

quickly through forest moved the animals wild the

- A. W
- B. F
- C. T
- D. Q
- E. M



Question #9

Antonyms

In this question, you need to identify the word that has the opposite meaning of the given word.

The opposite of **adhere** is:

- A. Unite
- B. Fasten
- C. Resist
- D. Detach
- E. Endure

OLSAT Level F Verbal Reasoning Practice Questions

Question #10

Verbal Analogies

This question tests the ability to find a relationship between two words and find a second pair of words that is related in the same way.

Chef is to the kitchen as the pilot is to _____.

- A. Engine
- B. Plane
- C. Airport
- D. Cabin
- E. Cockpit

Question #11

Verbal Classification

In this question, you need to look at a group of words and figure out which one does not belong.

Which word does not go with the other four?

- A. Assist
- B. Help
- C. Facilitate
- D. Hinder
- E. Encourage



Question #12

Inference

In this question, you will be given a logical argument, and you will have to determine the correct conclusion based on the argument.

Anna speaks more languages than Bella. Chris speaks fewer languages than Bella but more than Richard. Richard speaks fewer languages than David, who speaks fewer than Bella.

Which of the following is true?

- A. Bella speaks the fewest languages
- B. Richard speaks the fewest languages
- C. Richard speaks the most languages
- D. Chris speaks more languages than David
- E. David speaks more languages than Anna

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Correct Answers & Explanations

Question #1

Correct answer: C

Explanation:

In the first row, the geometric shapes alternate between filled and empty without changing their orientation.

Similarly, in the second row, the geometric shapes also alternate between filled and empty, resembling option C.

Question #2

Correct answer: C

Explanation:

In each column, the white L-shaped figure is rotating in an anticlockwise direction, while the small C-shapes are rotating in a clockwise direction and changing their orientation randomly.

Similarly, in the third column, the white L-shaped figure is rotating in an anticlockwise direction from one box to another, while the small C-shape is rotating in a clockwise direction and changes its orientation.

The only answer that fits this is C.

Note that answer D is incorrect since the small C-shape is in the same orientation as in the second column.

Question #3

Correct answer: D

Explanation:



In this sequence, the square with the left-bottom small filled square is rotated in a clockwise direction by 45 degrees (which is half of a right angle), moving from left to right each time.

Meanwhile, the small filled circle is rotated in an anticlockwise direction per sector as shown in the figure.

Question #4

Correct answer: D

Explanation:

The pattern is:

First number \div 43 = Second number

Considering 1st box, we have:

$$258 \div 43 = 6$$

Considering the 2nd box, we have:

$$172 \div 43 = 4$$

Therefore, for the 3rd box,

$$430 \div 43 = ? = 10$$

Since these pair of numbers include division of a big number, the fastest way to solve this question is by plugging in each of the answer choices until you reach the correct one.

Question #5

Correct answer: B

Explanation:

Row Pattern:

The third number is obtained by finding the difference between the first two numbers.



$$\text{Row 1: } 84 - 68 = 16$$

$$\text{Row 2: } 30 - 28 = ?$$

$$\text{Row 3: } 54 - 40 = 14$$

Column Pattern:

The third number is obtained by finding the difference between the first and second numbers.

$$\text{Column 1: } 68 - 28 = 40$$

$$\text{Column 2: } 84 - 30 = 54$$

$$\text{Column 3: } 16 - ? = 14$$

Both the row pattern and the column pattern consistently lead to the same solution.

$$\text{From the row pattern, } 30 - 28 = 2$$

$$\text{From the column pattern, } 16 - ? = 14, \text{ which means:}$$
$$? = 2$$

Therefore, the correct choice is 2.

Question #6

Correct Answer: C

Explanation:

Each number is divided by 10 to get the next number:

$$5 \div 10 = 0.5$$

$$0.5 \div 10 = 0.05$$

$$0.05 \div 10 = 0.005$$

$$0.005 \div 10 = 0.0005$$

$$0.0005 \div 10 = 0.00005$$

So, continuing the pattern:

$$0.00005 \div 10 = 0.000005$$



Question #7

Correct answer: C

Explanation:

The pair '**splendor ... capture**' is the most appropriate because the sentence describes someone with a passion for photography experiencing a sunset, an ideal photographic subject.

Splendor appropriately describes the impressive visual quality of a spectacular sunset, while **capture** is precisely what a photographer would do when seeing something worth photographing.

Question #8

Correct answer: B

Explanation:

The best arrangement of these words creates "**The wild animals moved quickly through the forest.**" In this arrangement, the last word would be "forest," which begins with the letter F.

Question #9

Correct Answer: D

Explanation:

The word adhere means to stick firmly to a surface or to follow a rule, belief, or commitment closely. Its best opposite is detach, which means to separate or unfasten something from what it's attached to.

For example, a label that adheres to a box is removed when it is detached. Only detach directly counters the act of sticking or holding firmly.



Question #10

Correct Answer: E

Explanation:

The analogy compares a professional to the place where they perform their main function. A chef works in a kitchen, just as a pilot operates from the **cockpit**.

Option A, the engine, is a part of the plane but not the main working space.

Option B, plane, is the larger vehicle, not the specific area of operation.

Option C, the airport, is a location, but not where the pilot works while flying.

Option D, cabin, is the passenger area, not the pilot's space.

Only the cockpit corresponds directly to the kitchen in the analogy, both are the specific workspaces for their respective professionals.

Question #11

Correct Answer: D

Explanation:

All the words except **Hinder** describe actions that support or make something easier.

Assist, Help, Facilitate, and Encourage all involve aiding or promoting something. **Hinder**, however, means to prevent or make something more difficult, which is the opposite of the other words.

Question #12

Correct Answer: B

Explanation

We are told:

- Anna > Bella



- Chris < Bella but Chris > Richard
- Richard < David < Bella

Let's arrange the order from most to least based on these clues:

Anna > Bella > David > Chris > Richard

Option A is incorrect – Richard speaks the fewest, not Bella.

Option B is correct – Richard speaks the fewest languages.

Option C is incorrect – Richard is not the most; he's the lowest.

Option D is incorrect – Chris speaks fewer languages than David

Option E is incorrect – David speaks fewer than Bella, and Bella speaks fewer than Anna, so David < Anna.

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