

Free OLSAT 4th-5th Grade Sample Questions



ELM ACADEMY

What is the OLSAT?

The Otis-Lennon School Ability Test, or [OLSAT](#), is a nationally standardized multiple-choice test that is often used to identify students for gifted and talented programs. The test is divided by grade level, with the [OLSAT Level E](#) being administered to 4th and 5th graders. The most current version of the test, the OLSAT-8, has two sections: Verbal and Nonverbal. In total, the OLSAT Level E has 15 unique question types. The table below shows all of these question types:

Section	Subcategory	Question Type	Kindergarten (A)	1st (B)	2nd (C)	3rd (D)	4th-5th (E)	6th-8th (F)	9th-12th (G)	
Verbal	Verbal Comprehension	Following Directions	✓	✓	✓					
		Antonyms				✓	✓	✓	✓	
		Sentence Completion				✓	✓	✓	✓	
		Sentence Arrangement				✓	✓	✓	✓	
	Verbal Reasoning	Aural Reasoning	✓	✓	✓					
		Arithmetic Reasoning	✓	✓	✓	✓	✓	✓	✓	
		Logical Selection				✓	✓	✓	✓	
		Word/Letter Matrix				✓	✓	✓	✓	
		Verbal Analogies				✓	✓	✓	✓	
		Verbal Classification				✓	✓	✓	✓	
		Inference					✓	✓	✓	
	Nonverbal	Pictorial Reasoning	Picture Classification	✓	✓	✓				
			Picture Analogies	✓	✓	✓				
Picture Series			✓							
Figural Reasoning		Figural Classification	✓	✓	✓	✓				
		Figural Analogies	✓	✓	✓	✓	✓	✓	✓	
		Pattern Matrix	✓	✓	✓	✓	✓	✓	✓	
		Figural Series	✓	✓	✓	✓	✓	✓	✓	
Quantitative Reasoning		Number Series				✓	✓	✓	✓	
		Numeric Inference				✓	✓	✓	✓	
		Number Matrix				✓	✓	✓	✓	

You can view sample questions from each subcategory below. Answers and explanations can be found at the end. For more free sample questions and to try out a free timed quiz on our website, check out all of our [Free OLSAT 4th-5th Grade Sample](#):

Free OLSAT Practice

Antonyms

The opposite of seldom is:

- a. rarely
- b. scarcely
- c. immense
- d. intense
- e. often

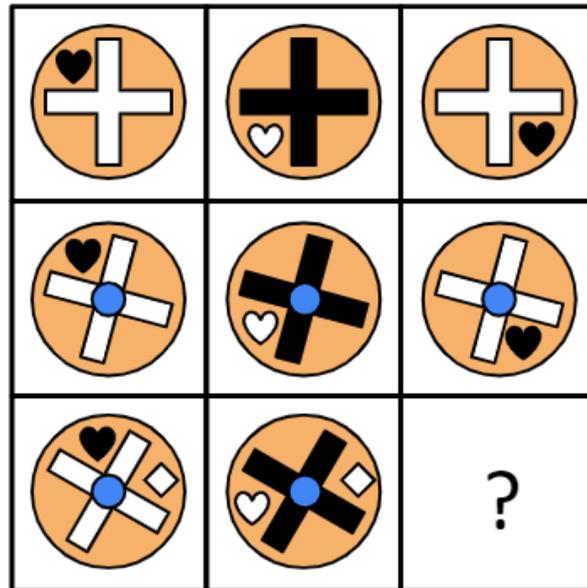
Arithmetic Reasoning

There are 100 picture books at a bookstore. One quarter of the books are sold on Monday, 31 books are sold on Tuesday, and 7 more are sold on Wednesday. On Thursday, 5 books are returned. How many picture books are left at the bookstore?

- a. 37
- b. 22
- c. 39
- d. 42
- e. 51

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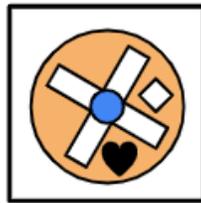
Pattern Matrix



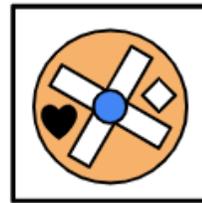
A



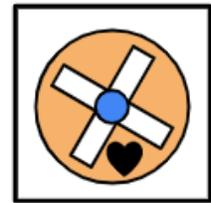
B



C



D



E

Numeric Inference

The numbers below are related according to the same rule. What is the missing number?

7, 49	9, 81	11, ?
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- a. 111
- b. 121
- c. 132
- d. 99
- e. 108

Continue to the next page to view the answers and explanations.

Answers & Explanations

Antonyms: E. The correct answer is *often*. *Seldom* means *rarely or not often*. This would make *often* the correct answer.

Arithmetic Reasoning: D. The correct answer is 42. There are multiple steps to this problem. Let's break it down by day.

Monday: We start with 100 books. One quarter of them are sold, and one quarter of 100 is 25. We now subtract 25 from 100 to find how many books are left: $100 - 25 = 75$.

Tuesday: We now start with 75 books. 31 of them are sold, so we now subtract 31 from 75 to find how many books are left: $75 - 31 = 44$.

Wednesday: We now start with 44. 7 of them are sold, so we now subtract 7 from 44 to find how many are left: $44 - 7 = 37$.

Thursday: We now start with 37 books. 5 books were returned, meaning we now must add 5 to 37 to find how many books are left: $37 + 5 = 42$. This makes 42 books the correct answer.

Pattern Matrix: C. There are patterns going both across each row and down each column. First, let's look at the patterns going across. In the top row, there are two changes when moving from left to right. First, the colors of the cross and heart switch, so that in the first box, the heart is black and the cross is white, and in the second box, the heart is white and the cross is black. In the last box, they switch back again. Second, the heart moves around the cross in a counterclockwise direction. The same pattern appears in the second row.

Next, look at the patterns going down each column. First, when going down from the first row to the second, and from the second to the third, the cross rotates slightly in the clockwise direction. Second, when going down from the first row to the second, a blue circle is added in the middle of the frame. From the second to the third row, a white diamond is added on the right side of the frame. This means that the correct answer will have a white cross rotated slightly clockwise, a black heart near the bottom of the circle, a blue circle in the middle, and a white diamond on the right side.

Numeric Inference: B. The correct answer is 121. The first pair of numbers is 7 and 49. The relationship between them is that $7^2 = 49$. The second pair of numbers is 9 and 81,

and these numbers have the same relationship: $9^2 = 81$. This means the correct answer will be 11^2 , which is 121.

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You can continue practicing with more [free OLSAT sample questions](#). For a more comprehensive practice experience, check out our fully online [OLSAT 4th-5th Grade Course](#), which includes full-length practice tests, quizzes, detailed lessons, and a study guide.

Wishing you the best of luck!



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