



Standards Assessments

**Grade 3**

FSA Mathematics

Practice Test Answer Key

The purpose of these practice test materials is to orient teachers and students to the types of questions on computer-based FSA tests. By using these materials, students will become familiar with the types of items and response formats they may see on a computer-based test. The practice questions and answers are not intended to demonstrate the length of the actual test, nor should student responses be used as an indicator of student performance on the actual test. The practice test is not intended to guide classroom instruction.

All trademarks and trade names found in this publication are the property of their respective owners and are not associated with the publishers of this publication.



**Session 1**



1. What is the value of the unknown number in the equation  $6 \times 3 = \square$ ?

A 3

B 9

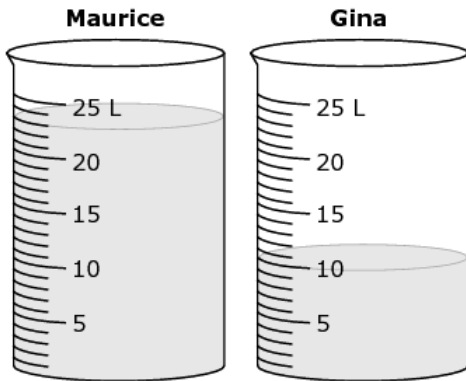
C 18

D 63

2. Match each number to the value of the number rounded to the nearest 10.

	180	190	200
181	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
186	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
194	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3. Maurice and Gina each have a container of water, as shown.



What is the difference, in liters (L), between the amounts of water in their containers?

13

← → ↶ ↷ ✕

1	2	3
4	5	6
7	8	9
0	$\frac{\square}{\square}$	

- 
4. Select all the situations that can be represented by  $35 \div 5$ .
- Heidi has 35 apples after picking the same number of apples each day for 5 days.
  - Heidi has 35 apples and places an equal number of apples into 5 baskets.
  - Heidi has 5 apples and needs more apples to deliver to a customer.
  - Heidi has 35 apples, and her friend gives her 5 more.
  - Heidi has 35 apples and gives 5 of them to a friend.

5. Click on the number line that should be used to correctly plot the fraction  $\frac{3}{4}$ .

Then, drag the fraction to show its correct location on the selected number line.

The image shows three horizontal number lines, each with arrows at both ends and tick marks at 0 and 1. The first number line has a single tick mark between 0 and 1. The second number line has two tick marks between 0 and 1. The third number line has three tick marks between 0 and 1, and a diamond-shaped marker is placed on the line between the second and third tick marks from 0. This third number line is highlighted with a gray background. Below the number lines is a gray rectangular area, and at the bottom of the page is a white rectangular area.

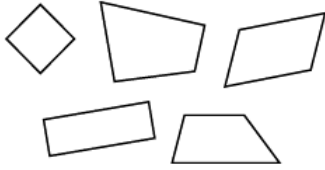


6.

Find the quotients to complete the table.

Problem	Quotient
$64 \div 8$	8
$63 \div 9$	7
$30 \div 6$	5

7. A set of shapes is shown.



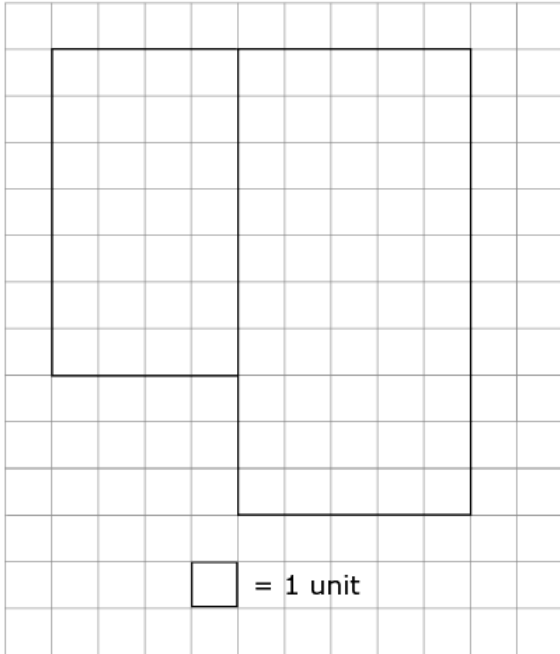
Describe the geometric attributes that all the shapes have in common.

The shapes all have 4 sides and 4 angles.

**Other correct responses include:**

- *The shapes are all quadrilaterals.*

8. The model of a park is shown.



Create an expression that can be used to find the area of the park.

$4 \times 7 + 5 \times 10$

← → ↶ ↷ ✖

1	2	3	+	-	×	÷
4	5	6	<	=	>	
7	8	9	( )			
0	$\frac{\square}{\square}$					

**Other correct responses:** any equivalent expression

9. Select all the fractions that are equivalent to a whole number.

$\frac{3}{3}$

$\frac{5}{10}$

$\frac{8}{2}$

$\frac{15}{7}$

$\frac{1}{6}$

- 10.** Martez has to plant 36 flower seeds in a garden. He will plant the seeds in rows. Each row must have the same number of seeds.

Complete the table to show three different garden designs Martez could plant.

	Number of Rows	Number of Seeds in Each Row
<b>Design 1</b>	6	6
<b>Design 2</b>	9	4
<b>Design 3</b>	4	9

**Other correct responses:** any three pairs of numbers, where each pair has a product of 36

**11.**

John surveys other students about their favorite food, as shown in the table.

**Favorite Food**

Hot dog	5
Pizza	6
Salad	5
Hamburger	2

Click the X's in each row to create a pictograph that represents the data.

<b>Key</b>
<b>X</b> = 2 students

Hot dog	<b>X X</b> X X X X X X X X X
Pizza	<b>X X</b> X X X X X X X X X
Salad	<b>X X</b> X X X X X X X X X
Hamburger	<b>X</b> X X X X X X X X X

GO ON  
TO THE  
NEXT PAGE.





**This is the end of Session 1.**








**Session 2**




12. A multiplication table is shown.

x	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42	49	56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

**Key**

 Shaded

 Unshaded

Which statement correctly describes how to find the multiples of 6 in the multiplication table?

- (A) Find all the numbers that end with 6.
- (B) Find all the numbers that start with 6.
- (C) Find all the shaded numbers that would meet at an unshaded 6.
- (D) Find all the numbers in the same row or the same column as a shaded 6.

13. Alex goes to the grocery store at the time shown.



At what time does Alex go to the grocery store?

- Ⓐ 7:52
- Ⓑ 10:07
- Ⓒ 10:37
- Ⓓ 11:23

14.

Click a number under each box to create a true multiplication equation that could be used to solve  $10 \div 5 = \square$ .

The box contains the equation  $\boxed{2} \times 5 = \boxed{10}$ . Below the first box is a vertical column of numbers: 2, 5, 10. Below the second box is another vertical column of numbers: 2, 5, 10. Each number in these columns is inside a small grey arrow-shaped box pointing upwards.

**15.** Select all the expressions that are equal to 324.

$372 - 48$

$660 - 346$

$119 + 215$

$728 - 404$

$216 + 108$

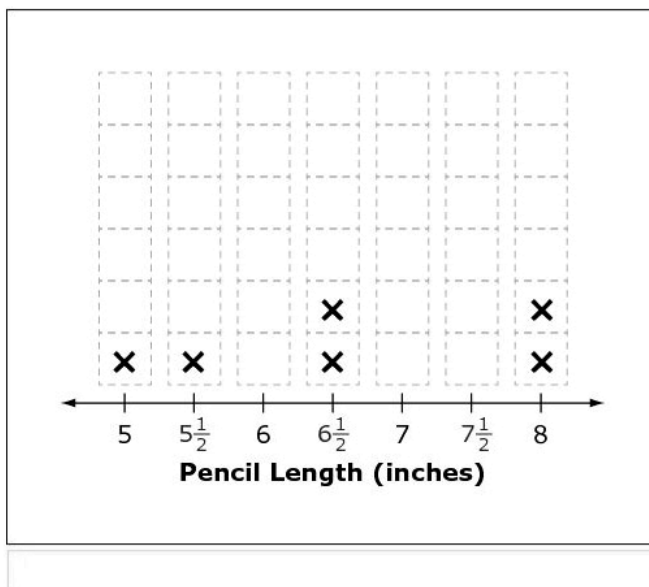
16.

The lengths of several pencils are shown.

**Pencil Length (inches)**

Pencil 1	$5\frac{1}{2}$
Pencil 2	8
Pencil 3	$6\frac{1}{2}$
Pencil 4	5
Pencil 5	$6\frac{1}{2}$
Pencil 6	8

Click in the boxes to create a line plot that shows these data.



17. Nina has 32 baseball cards. She wants to sort the cards into 8 equal groups.

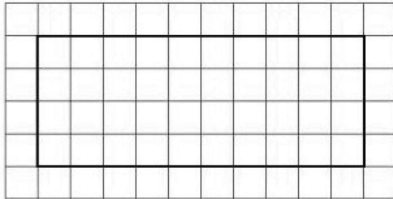
Create a multiplication equation that shows how Nina can sort 32 cards into 8 equal groups.


4×8=32									
← → ↶ ↷ ✕									
1	2	3	+	-	×	÷			
4	5	6	<	=	>				
7	8	9	( )						
0	$\frac{\square}{\square}$								

**Other correct responses:** any equivalent multiplication equation that contains the factor 4 and the total of 32

18.


A model of Ben's closet is shown.



**Key**  
 = 1 square unit

Use the Connect Line tool to draw a rectangle with the same area as Ben's closet but with a different perimeter.

Delete Add Point Connect Line

**Key**  
 = 1 square unit

Select two (2) points to connect or press and drag to create and connect points.

**Other correct responses:** any rectangle with an area of 40 and a perimeter not equal to 28



19.


The model shown represents one whole.

A. Drag triangles to the model to see how many equal parts it can be divided into.

B. Drag numbers to the boxes to show the fraction of the whole each triangle represents.


0  
1  
2  
3  
4  
5  
6  
7  
8  
9

**A.**

Each model  represents one whole.

---

**B.**

Each  represents 

1
3

 of the model.

**Other correct responses:** for part B, any fraction equivalent to  $1/3$

**20.** Alaysia counts all the tiles on her floor. Each of the floor tiles is a square.

What measurement does Alaysia find by counting all the floor tiles?

- Ⓐ the cost of one tile
- Ⓑ the width of one tile
- Ⓒ the area of the floor
- Ⓓ the perimeter of the floor

---

**21.**

On Monday, a bookstore sold 75 books. On Tuesday, the bookstore sold 125 books. The bookstore must sell 500 books by Friday.

How many more books must the bookstore sell by Friday?

- Ⓐ 200
- Ⓑ 300
- Ⓒ 375
- Ⓓ 425

- 22.** Ms. Yost has 20 boxes of markers. Each box contains 5 markers.  
How many markers does Ms. Yost have in total?

100

← → ↶ ↷ ✕

1	2	3
4	5	6
7	8	9
0	$\frac{\square}{\square}$	

**23.** Which expression is equivalent to  $7 \times (2 + 3)$ ?

- (A)  $(7 \times 2) + (7 \times 3)$
- (B)  $(7 + 2) \times (7 + 3)$
- (C)  $(7 \times 2) \times (7 \times 3)$
- (D)  $(7 + 2) \times 3$



**This is the end of Session 2.**



**BLANK PAGE**



Office of Assessment  
Florida Department of Education, Tallahassee, Florida  
Copyright © 2015 State of Florida, Department of State