

Name: \_\_\_\_\_



# *New York State Testing Program*

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## **2019 Mathematics Test Session 1**

# **Grade 3**

**May 1–3, 2019**

**RELEASED QUESTIONS**

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**Session 1**

# Session 1



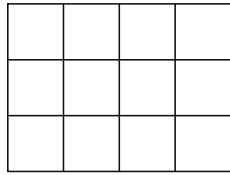
## TIPS FOR TAKING THE TEST

Here are some suggestions to help you do your best:

- Read each question carefully and think about the answer before making your choice.
- You have been provided with a ruler to use during the test. Use the ruler whenever you think it will help you to answer the question.

**1**

The array below represents a product.



Which expression can be used to find the product represented by the array?

- A  $4 + 3$
- B  $4 + 4 + 4 + 4$
- C  $3 \times 4$
- D  $3 \times 3 \times 3 \times 3$

**2**

Lucy is counting by 2s. She starts with the number 2 and stops at the number 50. Which number would Lucy **not** count?

- A 11
- B 22
- C 34
- D 48

**3**

Ms. Carter has 30 students in her classroom. She arranges them into 5 equal groups. Which expression represents how to find the number of students in each group?

- A  $30 + 5$
- B  $30 \div 5$
- C  $30 - 5$
- D  $30 \times 5$

**GO ON**

6 Jess scored 18 points during her last basketball game. Each basket she made was worth 2 points. How many baskets did she make?

A 20

B 16

C 9

D 8

7 A librarian receives two boxes of books for the library. The first box has 136 books. The second box has 58 fewer books than the first box. What is the total number of books the librarian receives?

A 58

B 78

C 194

D 214

8 Which two fractions should be plotted at the same location on a number line?

A  $\frac{3}{4}$  and  $\frac{4}{8}$

B  $\frac{1}{4}$  and  $\frac{2}{8}$

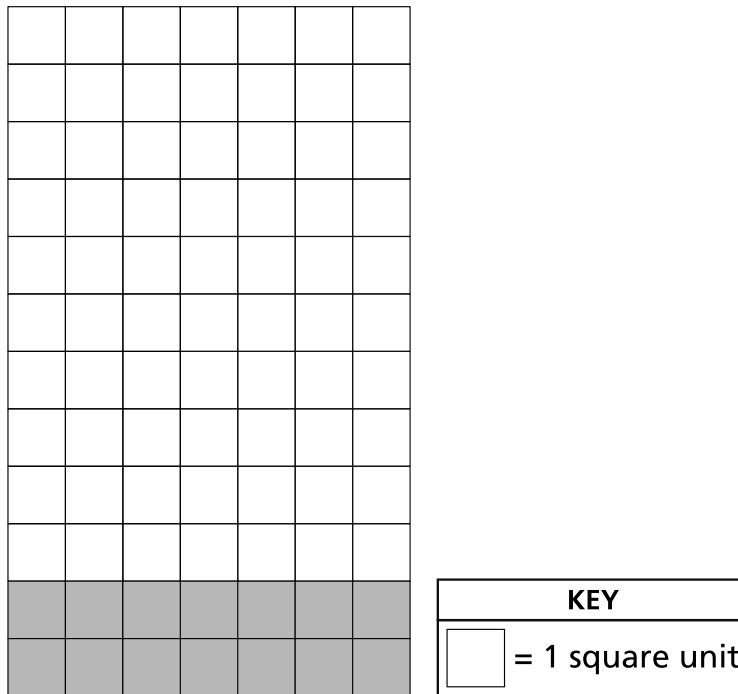
C  $\frac{2}{4}$  and  $\frac{4}{6}$

D  $\frac{1}{2}$  and  $\frac{2}{6}$

**GO ON**

15

The figure below represents a floor covered with white tiles and gray tiles.



Which expression could be used to find the area, in square units, of the entire floor?

- A**  $(12 + 7) \times (12 + 7)$                       **C**  $(10 + 7) \times (2 + 7)$
- B**  $(12 \times 7) + (12 \times 7)$                       **D**  $(10 \times 7) + (2 \times 7)$

16

Which expression is equivalent to  $(5 + 2) \times 8$ ?

- A**  $(8 \times 5) + (8 \times 2)$
- B**  $(5 \times 8) + (5 \times 2)$
- C**  $8 \times (5 \times 2)$
- D**  $(5 \times 8) \times 2$

21 Which equation is true when the missing number is the number 7?

A  $7 \times \underline{\quad ? \quad} = 42$

B  $7 \times \underline{\quad ? \quad} = 49$

C  $8 \times \underline{\quad ? \quad} = 40$

D  $8 \times \underline{\quad ? \quad} = 48$

22 A number is rounded to the nearest hundred. The result is 500. Which number could **not** be the number before it was rounded to the nearest hundred?

A 458

B 463

C 547

D 559

23 Which statement is true?

A The product of  $5 \times 2$  is even because both of the factors are even.

B The product of  $4 \times 4$  is odd because both of the factors are even.

C The product of  $2 \times 7$  is even because both of the factors are odd.

D The product of  $5 \times 3$  is odd because both of the factors are odd.

**GO ON**

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**2019**  
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**THE STATE EDUCATION DEPARTMENT**  
**THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234**  
**2019 Mathematics Tests Map to the Standards**  
**Grade 3 Released Questions on EngageNY**

Question	Type	Key	Points	Standard	Cluster	Multiple Choice Questions:	Constructed Response Questions:	
						Percentage of Students Who Answered Correctly (P-Value)	Average Points Earned	P-Value (Average Points Earned ÷ Total Possible Points)
<b>Session 1</b>								
1	Multiple Choice	C	1	CCSS.Math.Content.3.OA.A.1	Operations and Algebraic Thinking	0.90		
2	Multiple Choice	A	1	CCSS.Math.Content.3.OA.D.9	Operations and Algebraic Thinking	0.81		
3	Multiple Choice	B	1	CCSS.Math.Content.3.OA.A.2	Operations and Algebraic Thinking	0.81		
6	Multiple Choice	C	1	CCSS.Math.Content.3.OA.A.3	Operations and Algebraic Thinking	0.70		
7	Multiple Choice	D	1	CCSS.Math.Content.3.OA.D.8	Operations and Algebraic Thinking	0.35		
8	Multiple Choice	B	1	CCSS.Math.Content.3.NF.A.3a	Number and Operations - Fractions	0.59		
15	Multiple Choice	D	1	CCSS.Math.Content.3.MD.C.7c	Measurement and Data	0.56		
16	Multiple Choice	A	1	CCSS.Math.Content.3.OA.B.5	Operations and Algebraic Thinking	0.48		
21	Multiple Choice	B	1	CCSS.Math.Content.3.OA.A.4	Operations and Algebraic Thinking	0.70		
22	Multiple Choice	D	1	CCSS.Math.Content.3.NBT.A.1	Number and Operations in Base Ten	0.45		
23	Multiple Choice	D	1	CCSS.Math.Content.3.OA.D.9	Operations and Algebraic Thinking	0.59		
<b>Session 2</b>								
26	Multiple Choice	C	1	CCSS.Math.Content.3.NF.A.3b	Number and Operations - Fractions	0.84		
27	Multiple Choice	B	1	CCSS.Math.Content.3.OA.A.3	Operations and Algebraic Thinking	0.77		
28	Multiple Choice	C	1	CCSS.Math.Content.3.MD.C.5b	Measurement and Data	0.93		
29	Multiple Choice	C	1	CCSS.Math.Content.3.MD.B.3	Measurement and Data	0.67		
30	Multiple Choice	D	1	CCSS.Math.Content.3.OA.A.2	Operations and Algebraic Thinking	0.69		
31	Multiple Choice	C	1	CCSS.Math.Content.3.MD.C.7d	Measurement and Data	0.34		