New York NYSTP 2021 Grade 3 Math

Exam Materials
Pages 2 - 11

Answer Key Materials
Page 12

Name: _____

New York State Testing Program

Mathematics Test Session 1

Grade 3

v202

Released Questions

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 Which expression is another way to show 8×6 ?

A $(2 + 4) + 6$

B $(2 + 4) \times 6$

C $(2 \times 4) + 6$

D $(2 \times 4) \times 6$

2 The distance from Chicago to New York City is 794 miles. What is 794 rounded to the nearest hundred?

A 700

B 794

C 800

D 894

3 What number makes the equation true?

$4 = \underline{\quad ? \quad} \div 7$

A 11

B 21

C 28

D 32

GO ON

4 Which fraction is equivalent to $\frac{4}{6}$?

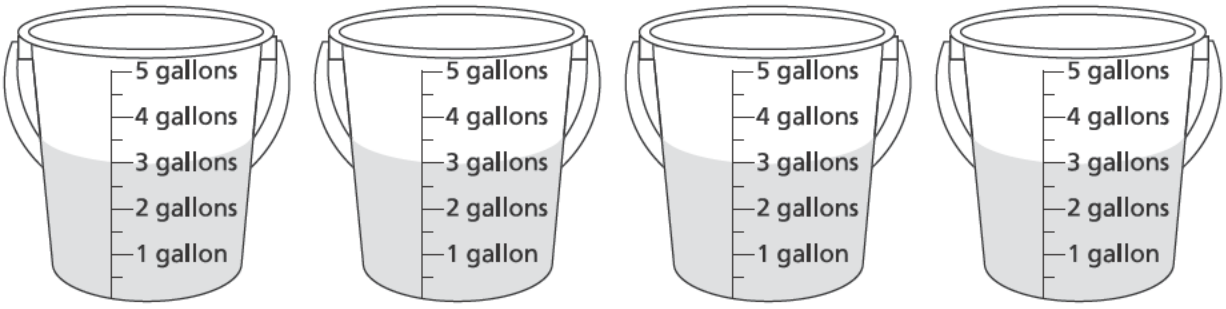
A $\frac{1}{2}$

B $\frac{2}{3}$

C $\frac{3}{4}$

D $\frac{6}{8}$

5 A third-grade class is having a car wash. They put the same amount of water in each bucket, as shown.



Which expression can be used to find the total amount of water, in gallons, in all the buckets?

A 4×3

B 5×3

C 4×4

D 5×4

6 A bulletin board can be covered completely by 30 square pieces of paper without any gaps or overlaps. If each piece of paper has side lengths of 1 foot, what is the total area of the bulletin board?

A 1 foot

B 30 feet

C 1 square foot

D 30 square feet

7 A teacher has 16 paper clips in one box and 48 paper clips in another box. The teacher separates all of the paper clips into 8 equal groups. How many paper clips are in each group?

A 6

B 8

C 24

D 64

8 What number makes the equation below true?

$80 \times 7 = \underline{\ ?\ }$

A 56

B 87

C 150

D 560

GO ON

9 What number makes these two equations true?

$9 \times \underline{\ ?\ } = 45$

$45 \div 9 = \underline{\ ?\ }$

A 4

B 5

C 7

D 8

10 A student has a collection of 72 baseball cards. All of the cards are stored in an album with 8 cards on each page. Which expression can be used to find the total number of pages of baseball cards in the student's album?

A $72 + 8$

B $72 - 8$

C 72×8

D $72 \div 8$

11 Emma and 5 other children equally share a large rectangular table. What fraction of the table does each child get?

A $\frac{1}{6}$

B $\frac{1}{5}$

C $\frac{1}{4}$

D $\frac{1}{2}$

12 Joe and Mike both ran the same race. Joe finished the race 4 minutes before Mike. If Mike finished the race at 4:02 p.m., what time did Joe finish the race?

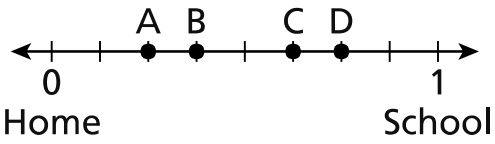
A 3:58 p.m.

B 4:06 p.m.

C 8:02 p.m.

D 12:02 p.m.

13 The distance between Liam's home and his school is exactly 1 mile, as shown on the number line below.



Liam buys a snack at a store that is $\frac{3}{8}$ mile from his home. What point on the number line shows the location of the store?

A point A

B point B

C point C

D point D

GO ON

14 There are 54 water balloons in a bucket. The balloons are given to 9 teams. Each team gets the same number of balloons. How many water balloons will each team get?

A 6

B 7

C 45

D 63

15 What rule was used for the number pattern below?

64, 32, 16, 8, 4, 2, . . .

A add 2

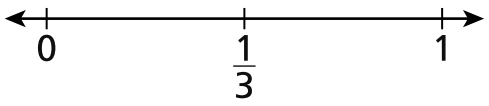
B subtract 2

C divide by 2

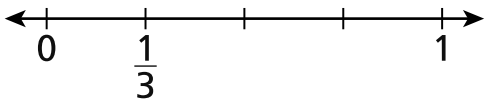
D multiply by 2

16 Which number line shows the fraction $\frac{1}{3}$ plotted correctly?

A

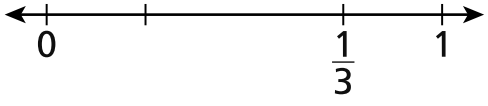


C



B

D



GO ON

17 A store has 8 fish tanks that each have 40 liters of water. What is the total number of liters of water in all of the fish tanks?

A 5

B 48

C 280

D 320

18 Last week, Paul ate 2 cookies each day for 5 days. This week, he ate 2 cookies each day for 4 days. Which expression can be used to represent the total number of cookies Paul ate in these two weeks?

A $2 \times (5 \times 4)$

B $2 \times (5 + 4)$

C $(2 \times 5) \times (2 \times 4)$

D $(2 + 5) \times (2 + 4)$

GO ON

19 Kay and Juanita each have a garden of the same size and shape.

- Kay grows flowers in $\frac{1}{6}$ of her garden.
- Juanita grows flowers in $\frac{1}{3}$ of her garden.

Which statement shows a correct comparison of the sections of flowers grown in Kay's garden and Juanita's garden?

A $\frac{1}{6} > \frac{1}{3}$

B $\frac{1}{6} < \frac{1}{3}$

C $\frac{1}{3} = \frac{1}{6}$

D $\frac{1}{3} + \frac{1}{6}$

STOP

THE STATE EDUCATION DEPARTMENT

THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234

2021 Mathematics Tests Map to the Standards

Grade 3 Released Questions

Question	Type	Key	Points	Standard	Cluster	Subscore	Secondary Standard(s)
Session 1							
1	Multiple Choice	D	1	CCSS.Math.Content.3.OA.B.5	Operations and Algebraic Thinking	Operations and Algebraic Thinking	
2	Multiple Choice	C	1	CCSS.Math.Content.3.NBT.A.1	Numbers and Operations in Base Ten		
3	Multiple Choice	C	1	CCSS.Math.Content.3.OA.A.4	Operations and Algebraic Thinking	Operations and Algebraic Thinking	
4	Multiple Choice	B	1	CCSS.Math.Content.3.NF.A.3b	Number and Operations— Fractions	Number and Operations— Fractions	
5	Multiple Choice	A	1	CCSS.Math.Content.3.OA.A.1	Operations and Algebraic Thinking	Operations and Algebraic Thinking	
6	Multiple Choice	D	1	CCSS.Math.Content.3.MD.C.5b	Measurement and Data	Measurement and Data	
7	Multiple Choice	B	1	CCSS.Math.Content.3.OA.D.8	Operations and Algebraic Thinking	Operations and Algebraic Thinking	
8	Multiple Choice	D	1	CCSS.Math.Content.3.NBT.A.3	Numbers and Operations in Base Ten		
9	Multiple Choice	B	1	CCSS.Math.Content.3.OA.B.6	Operations and Algebraic Thinking	Operations and Algebraic Thinking	
10	Multiple Choice	D	1	CCSS.Math.Content.3.OA.A.2	Operations and Algebraic Thinking	Operations and Algebraic Thinking	
11	Multiple Choice	A	1	CCSS.Math.Content.3.G.A.2	Geometry		
12	Multiple Choice	A	1	CCSS.Math.Content.3.MD.A.1	Measurement and Data	Measurement and Data	
13	Multiple Choice	B	1	CCSS.Math.Content.3.NF.A.2b	Number and Operations— Fractions	Number and Operations— Fractions	
14	Multiple Choice	A	1	CCSS.Math.Content.3.OA.A.3	Operations and Algebraic Thinking	Operations and Algebraic Thinking	
15	Multiple Choice	C	1	CCSS.Math.Content.3.OA.D.9	Operations and Algebraic Thinking	Operations and Algebraic Thinking	
16	Multiple Choice	B	1	CCSS.Math.Content.3.NF.A.2a	Number and Operations— Fractions	Number and Operations— Fractions	
17	Multiple Choice	D	1	CCSS.Math.Content.3.MD.A.2	Measurement and Data	Measurement and Data	
18	Multiple Choice	B	1	CCSS.Math.Content.3.OA.B.5	Operations and Algebraic Thinking	Operations and Algebraic Thinking	
19	Multiple Choice	B	1	CCSS.Math.Content.3.NF.A.3d	Number and Operations— Fractions	Number and Operations— Fractions	

This item map is intended to identify the primary analytic skills necessary to successfully answer each question. However, some questions measure proficiencies described in multiple standards, including a balanced combination of procedural and conceptual understanding.