

Name: _____



New York State Testing Program

2019 Mathematics Test Session 1

Grade 4

May 1–3, 2019

RELEASED QUESTIONS

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Session 1

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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 mathematics tools (a ruler and a protractor) to use during the test. It is up to you to decide when each tool will be helpful. You should use mathematics tools whenever you think they will help you to answer the question.

1 Tatum walks her dog $\frac{2}{3}$ mile every day after school. How many miles does she walk her dog in 5 days?

A $\frac{7}{3}$

B $\frac{10}{3}$

C $\frac{2}{15}$

D $\frac{10}{15}$

2 The number of points Jaden scored in a game is less than 45, and is also a multiple of 7. How many points could Jaden have scored?

A 17

B 35

C 52

D 70

3 Which comparison is true?

A $\frac{2}{3} = \frac{8}{12}$

B $\frac{4}{9} = \frac{8}{9}$

C $\frac{3}{4} > \frac{9}{10}$

D $\frac{2}{4} > \frac{2}{3}$

GO ON

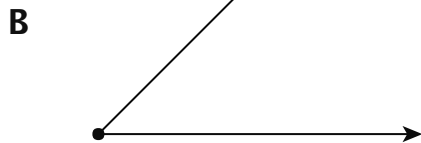
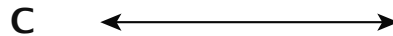
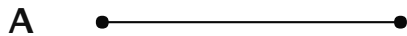
4 There are three different sections to sit in at a baseball park. The number of people who can sit in each section is described below.

- red section seats 200 people
- blue section seats 20 fewer people than the red section
- green section seats 2 times as many people as the blue section

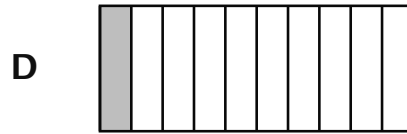
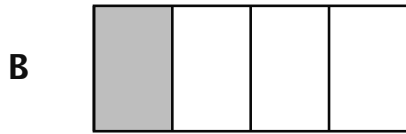
What is the total number of people who can sit in the baseball park?

- A 260
- B 380
- C 640
- D 740

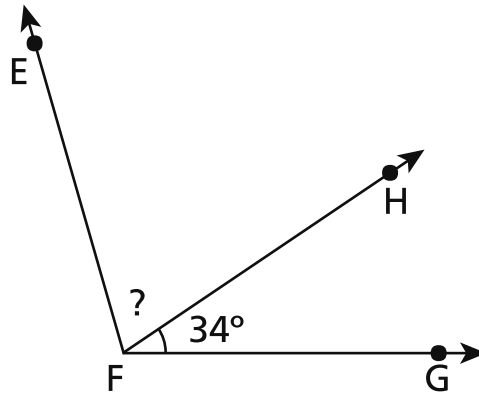
5 Which figure is an example of a line segment?



8 Which fraction model has a shaded area equivalent to $\frac{3}{12}$?



9 The measure of angle EFG shown below is 106 degrees.



What is the measure, in degrees, of angle EFH?

- A 34
- B 56
- C 72
- D 140

15 What is the value of the expression below?

$$2,816 \times 7$$

- A 14,572
- B 14,672
- C 19,612
- D 19,712

16 What is the quotient for the expression $2,314 \div 4$?

- A 508
- B 508 r2
- C 578
- D 578 r2

17 A teacher buys the folders listed below.

- 5 boxes of red folders with 36 folders in each box
- 6 boxes of blue folders with 32 folders in each box

Which number is **closest** to the total number of red and blue folders that the teacher buys?

- A 275
- B 380
- C 440
- D 550

GO ON

- 20 Which two numbers both round to 1,500 when rounded to the nearest hundred?
- A 1,399 and 1,599
 - B 1,449 and 1,549
 - C 1,457 and 1,547
 - D 1,489 and 1,589

- 21 Mr. Fuller wants to put fencing around his rectangular-shaped yard. The width of the yard is 55 feet and the length is 75 feet. How many feet of fencing does Mr. Fuller need?
- A 130
 - B 260
 - C 3,905
 - D 4,125

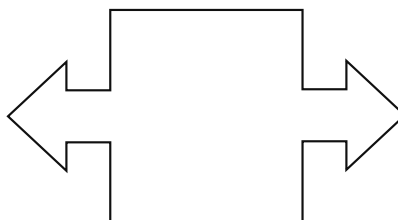
GO ON

- 27 The three models below are each shaded to represent a different fraction.



What is the sum of the fractions represented by the shaded parts of the models?

- A $\frac{10}{18}$
- B $\frac{8}{10}$
- C $\frac{10}{8}$
- D $\frac{10}{6}$
- 28 What is the greatest number of lines of symmetry that can be drawn on the figure shown below?

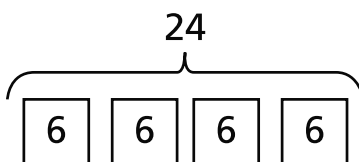


- A 0
- B 1
- C 2
- D 4

29 What is the measure, in degrees, of an angle that is equivalent to $\frac{1}{360}$ of a circle?

- A 1
- B 90
- C 180
- D 360

30 Which comparison statement describes the model below?



- A 6 is 24 times as many as 4
- B 24 is 4 times as many as 6
- C 4 times as many as 24 is 6
- D 6 times as many as 6 is 24

STOP

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THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234
2019 Mathematics Tests Map to the Standards
Grade 4 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)
Session 1								
1	Multiple Choice	B	1	CCSS.Math.Content.4.NF.B.4c	Number and Operations - Fractions	0.79		
2	Multiple Choice	B	1	CCSS.Math.Content.4.OA.B.4	Operations and Algebraic Thinking	0.84		
3	Multiple Choice	A	1	CCSS.Math.Content.4.NF.A.2	Number and Operations - Fractions	0.68		
4	Multiple Choice	D	1	CCSS.Math.Content.4.OA.A.2	Operations and Algebraic Thinking	0.55		
5	Multiple Choice	A	1	CCSS.Math.Content.4.G.A.1	Geometry	0.67		
8	Multiple Choice	B	1	CCSS.Math.Content.4.NF.A.1	Number and Operations - Fractions	0.6		
9	Multiple Choice	C	1	CCSS.Math.Content.4.MD.C.7	Measurement and Data	0.74		
15	Multiple Choice	D	1	CCSS.Math.Content.4.NBT.B.5	Number and Operations in Base Ten	0.71		
16	Multiple Choice	D	1	CCSS.Math.Content.4.NBT.B.6	Number and Operations in Base Ten	0.7		
17	Multiple Choice	B	1	CCSS.Math.Content.4.OA.A.3	Operations and Algebraic Thinking	0.68		
20	Multiple Choice	C	1	CCSS.Math.Content.4.NBT.A.3	Number and Operations in Base Ten	0.64		
21	Multiple Choice	B	1	CCSS.Math.Content.4.MD.A.3	Measurement and Data	0.48		
27	Multiple Choice	D	1	CCSS.Math.Content.4.NF.B.3a	Number and Operations - Fractions	0.68		
28	Multiple Choice	C	1	CCSS.Math.Content.4.G.A.3	Geometry	0.59		
29	Multiple Choice	A	1	CCSS.Math.Content.4.MD.C.5a	Measurement and Data	0.41		
30	Multiple Choice	B	1	CCSS.Math.Content.4.OA.A.1	Operations and Algebraic Thinking	0.63		
Session 2								
31	Multiple Choice	B	1	CCSS.Math.Content.4.NF.B.4a	Number and Operations - Fractions	0.83		
32	Multiple Choice	B	1	CCSS.Math.Content.4.OA.A.2	Operations and Algebraic Thinking	0.92		
33	Multiple Choice	D	1	CCSS.Math.Content.4.NBT.B.6	Number and Operations in Base Ten	0.76		

34	Multiple Choice	A	1	CCSS.Math.Content.4.MD.C.5b	Measurement and Data	0.63		
35	Multiple Choice	D	1	CCSS.Math.Content.4.OA.A.1	Operations and Algebraic Thinking	0.58		
36	Multiple Choice	A	1	CCSS.Math.Content.4.MD.C.6	Measurement and Data	0.59		
37	Multiple Choice	D	1	CCSS.Math.Content.4.NF.A.1	Number and Operations - Fractions	0.74		
38	Multiple Choice	C	1	CCSS.Math.Content.3.MD.B.4	Measurement and Data	0.58		
39	Constructed Response		2	CCSS.Math.Content.4.NF.B.4b	Number and Operations - Fractions		1.46	0.73
40	Constructed Response		2	CCSS.Math.Content.4.NBT.A.2	Number and Operations in Base Ten		1.04	0.52
41	Constructed Response		2	CCSS.Math.Content.4.G.A.2	Geometry		0.97	0.49
42	Constructed Response		2	CCSS.Math.Content.4.NF.B.3d	Number and Operations - Fractions		1.22	0.61
43	Constructed Response		2	CCSS.Math.Content.4.NBT.A.1	Number and Operations in Base Ten		1.04	0.52
44	Constructed Response		2	CCSS.Math.Content.4.MD.A.3	Measurement and Data		1.13	0.57
45	Constructed Response		3	CCSS.Math.Content.4.NBT.B.5	Number and Operations in Base Ten		1.32	0.44

*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.