THIRD SPACE LEARNING

3rd Grade CCSS State Test

Common Core Grade 3

Grade 3

Questions

Name: ..... Class: .....

Date: ..... Score: .....

1 Ralph has 7 lizards. Each lizard has 4 legs. Each leg has a foot with 5 toes. Which equation shows the total number of legs?

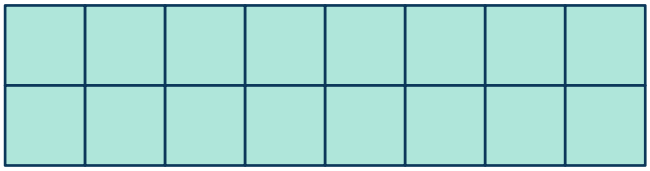
A. 7 x 4
B. 4 x 5
C. 5 x 7
D. 4 x 4

2 The grocery store has 22 oranges. A new crate with 3 bags of 7 oranges just arrived. How many oranges does the grocery store have now?

Which equation can be used to solve?

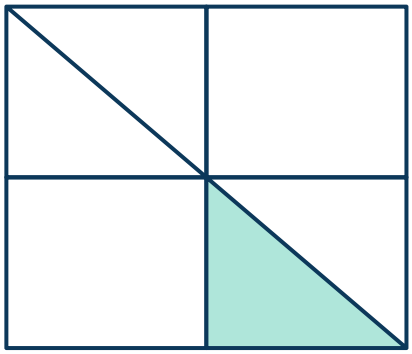
A. $22 + 3 + 7 = t$
B. $(22 + 3) \times 7 = t$
C. $3 \times 7 + 22 = t$
D. $7 + 3 \times 22 = t$

3 What is the area of the rectangle?



A. 20 units
B. 20 square units
C. 16 units
D. 16 square units

4



Complete the sentence: The area of the shaded triangle is ____ of the area of the shape.

A. $\frac{1}{2}$

B. $\frac{1}{4}$

C. $\frac{1}{6}$

D. $\frac{1}{8}$

5 $6 \times 70 = a$

What is the value of a?

A. 420
B. 130
C. 760
D. 52

---

6 What number makes the equations true?

$8 \times \_\_\_\_\_ = 64$

$64 \div 8 = \_\_\_\_\_$

A. 6
B. 8
C. 9
D. 7

7 Which fraction is larger than $\frac{2}{3}$?

A. $\frac{1}{2}$

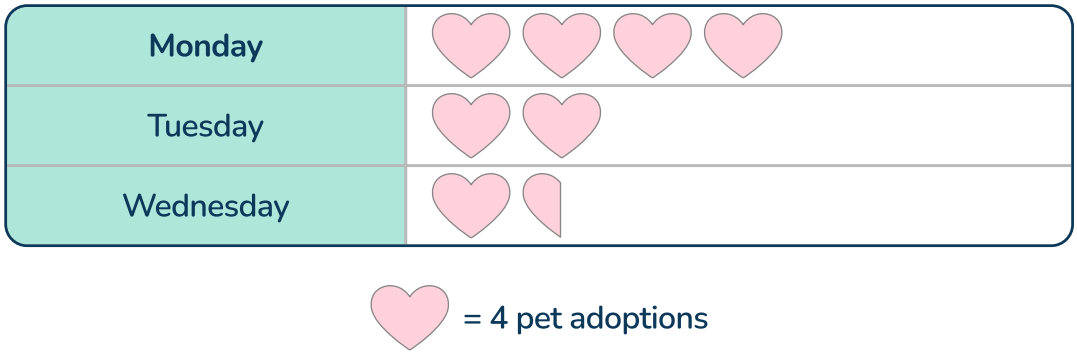
B. $\frac{4}{6}$

C. $\frac{3}{4}$

D. $\frac{4}{8}$

8

Animal Shelter Pet Adoptions



How many more pet adoptions were there on Monday than Tuesday and Wednesday?

A. 8

B. $\frac{1}{2}$

C. 4

D. 2

9 Khaled circles the products of 6 in red and shades in the products of 3.
Which statements about the products are true? Select all the correct answers.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

A. The products of 6 are always even
B. The products of 3 are always odd
C. All products of 6 are also products of 3
D. All products of 3 are also products of 6
E. Half a product of 6 is always a product of 3

10

Which fraction is equivalent to the value of the point shown?

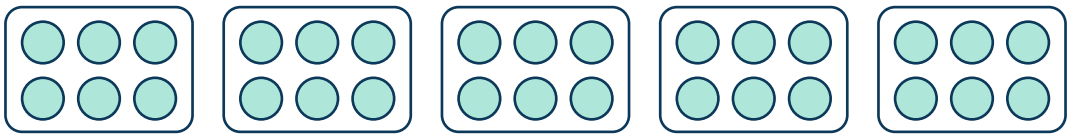
A. $\frac{1}{4}$

B. $\frac{3}{8}$

C. $\frac{2}{6}$

D. $\frac{1}{3}$

11



Which problems can be solved by using the model above? Select all the correct answers.

A. There are 5 packs of crayons. Each pack has 6 crayons. How many crayons are there in total?
B. Eloise scored 5 points and then 6 more points. How many points did she score in total?
C. There are 5 chapters. Each chapter has 30 pages. How many pages does one chapter have?
D. There are 6 trees. Each tree has 30 leaves. How many leaves are there in total?
E. There are 30 ounces of pineapple. Each smoothie has 6 ounces of pineapple. How many smoothies can be made?

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12 Neela has three turtles. Each turtle eats 3 ounces of food each day. Neela has 54 ounces of turtle food. How many more days can Neela feed her turtles with the food she has?

A. 6 days
B. 18 days
C. 9 days
D. 45 days

13 What is 3,457 rounded to the nearest hundred?

A. 3,400
B. 3,460
C. 3,000
D. 3,500

---

14 What time is shown on the clock?

A. 12:04
B. 12:20
C. 1:20
D. 1:04

15 Which number line correctly shows the fraction $\frac{1}{4}$?

a.

b.

c.

d.

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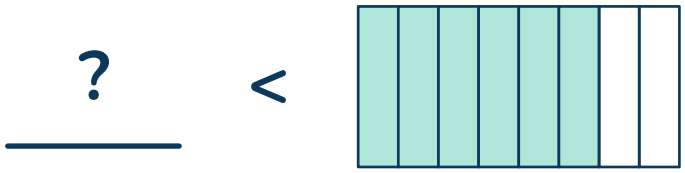
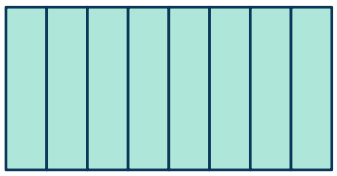
16 Which is the best estimate for the weight of a cell phone?

A. 150 grams
B. 1 kilogram
C. 1 gram
D. 150 kilograms

17 Which shape correctly completes the comparison?



a.



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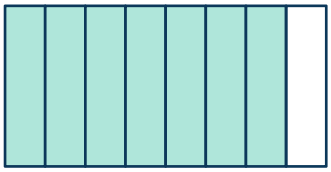

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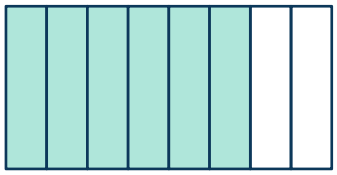
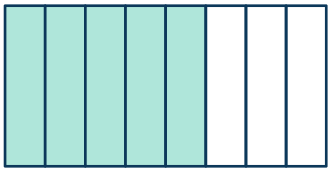


d.



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18 Complete the sentence: A quadrilateral and square both always have...

A. ...equal sides.
B. ...four sides.
C. ...parallel sides.
D. ...right angles.

19 Mina has 18 meters of fence. What are the possible dimensions for a rectangular garden that Mina can completely fence in? Select all the correct answers.

A. 10 meters by 8 meters
B. 9 meters by 9 meters
C. 6 meters by 6 meters
D. 5 meters by 4 meters
E. 1 meter by 8 meters

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20 Which equation can help you solve $35 \div 7 = \triangle$?

a. $\triangle \div 7 = 35$

b. $\triangle \times 35 = 7$

c. $7 \times \triangle = 35$

d. $7 \div \triangle = 35$

21 Solve 451 - 268.

A. 183
B. 217
C. 293
D. 208

22

What is the missing value?

A. 0

B. $\frac{3}{3}$

C. $\frac{1}{3}$

D. $\frac{2}{3}$

23 A pet store has 48 fish. They will be placed into 6 separate tanks. Each tank has the same amount of fish. Which equation can be used to find the number of fish in each tank?

A. 48 x 6 = ?
B. 48 - 6 = ?
C. 48 + 6 = ?
D. 48 ÷ 6 = ?

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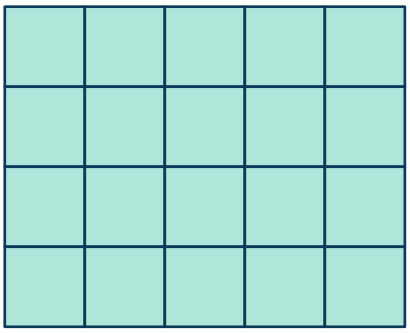
24 The shape below is made of square units.



Which expressions can be used to find the area of the shape? Select all the correct answers.

A. 4 + 5
B. 4 + 5 + 4 + 5
C. 4 x 5
D. 5 + 5 + 5 + 5
E. 4 + 4 + 4 + 4 + 4

25 Which group of shapes only has quadrilaterals?

a. 

b. 

c. 

d. 

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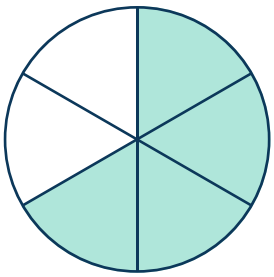
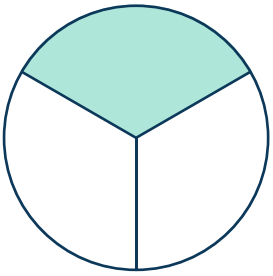
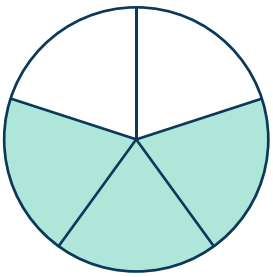
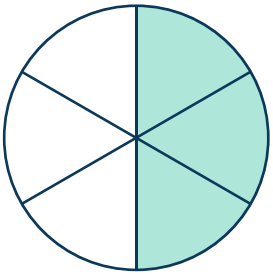
26 Which shapes shows a shaded amount equivalent to $\frac{2}{3}$?

a. 

b. 

c. 

d. 

27 Milo is solving ? ÷ 6 = 7. Which equation can help Milo solve?

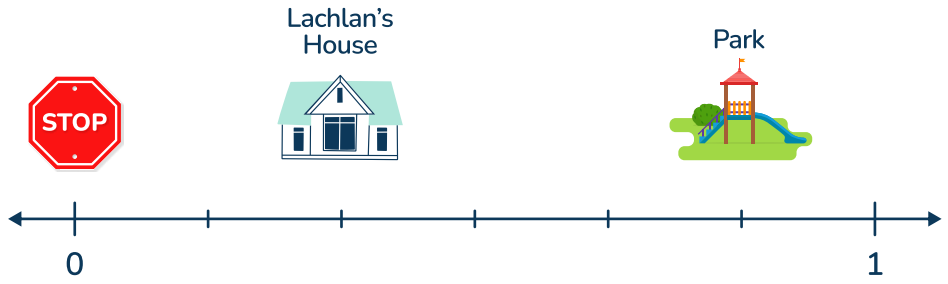
A. 7 ÷ ? = 6
B. 7 x 6 = ?
C. ? x 7 = 6
D. 7 ÷ 6 = ?

28 Monday, Ivan read 17 pages in his book. For the next 4 days, Ivan will read 14 pages each day. At the end of the week, how many total pages will Ivan have read in total?

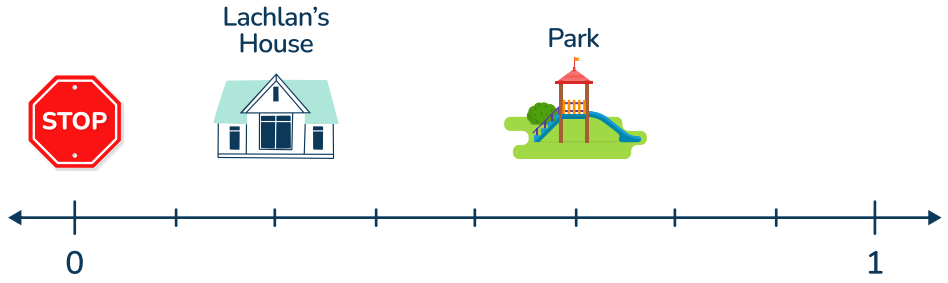
A. 35 pages
B. 31 pages
C. 82 pages
D. 73 pages

29 Lachlan lives on a 1 mile street. Lachlan lives $\frac{2}{8}$ of a mile from the stop sign. There is a park $\frac{5}{8}$ of a mile from the stop sign. Which number line correctly shows Lachlan house and the park?

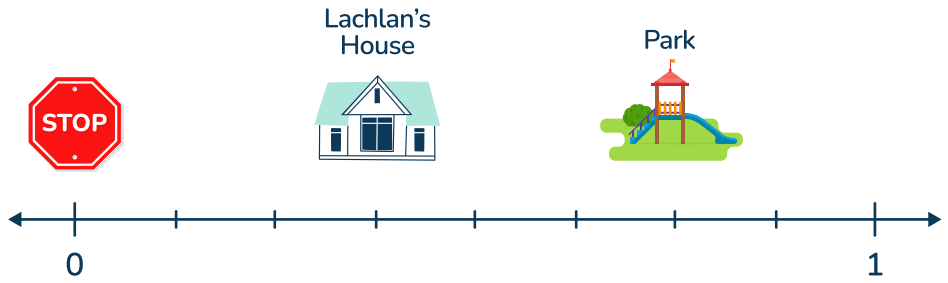
a.



b.



c.



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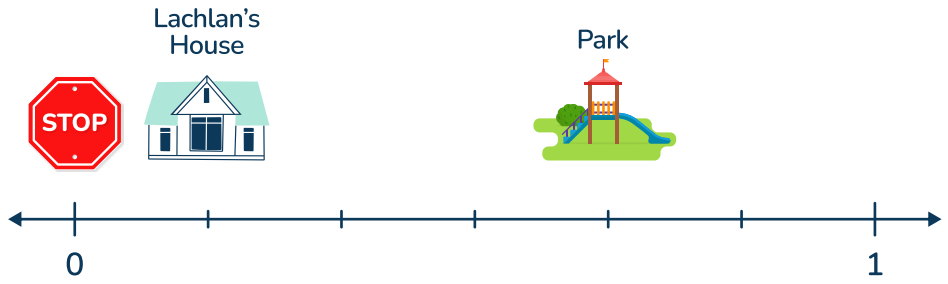
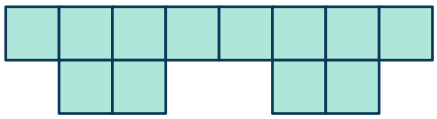
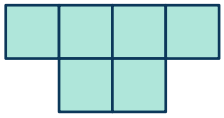
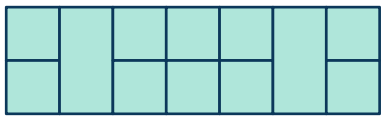
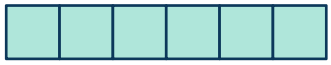


30 Which shape has an area of 12 units?

a. 

b. 

c. 

d. 

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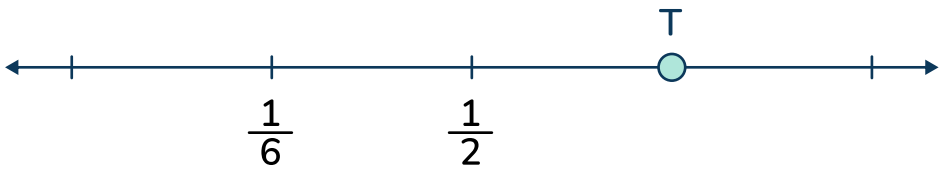
31 Which equation is equivalent to 6 x 8? Select all the correct answers.

A. 6 + (4 + 4)
B. 3 x 3 x 8
C. (2 x 8) + (4 x 8)
D. 6 x (7 + 1)
E. (6 + 2) x (6 + 6)

32 A baker has 4 containers of flour. Each container has 18 grams of flour. How many grams of flour in total does the baker have?

A. 22 grams
B. 72 grams
C. 34 grams
D. 36 grams

33



Which fraction shows point T?

A. $\frac{1}{3}$

B. $\frac{2}{8}$

C. $\frac{5}{6}$

D. $\frac{3}{4}$

34 Marie earned 229 points on Level 1 and 381 points on Level 2. She lost 76 points on Level 3. About how many points did Marie have at the end of Level 3?

A. 400 points
B. 500 points
C. 600 points
D. 700 points

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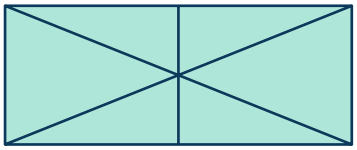
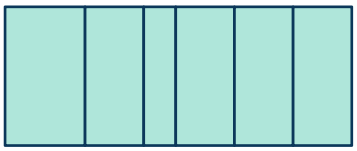
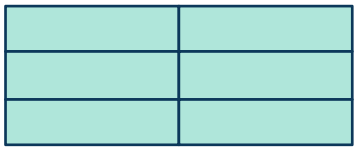
35 Azriel reads for 45 minutes and then watches videos on his computer for 23 minutes. Then he eats dinner for 17 minutes. If he finishes dinner at 7:03pm, what time did Azriel start reading?

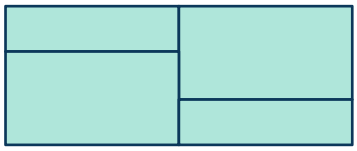
A. 5:38 pm
B. 8:28 pm
C. 6:18 pm
D. 7:38 pm

36 Which rectangle is divided into 6 equal parts?

a. 

b. 

c. 

d. 

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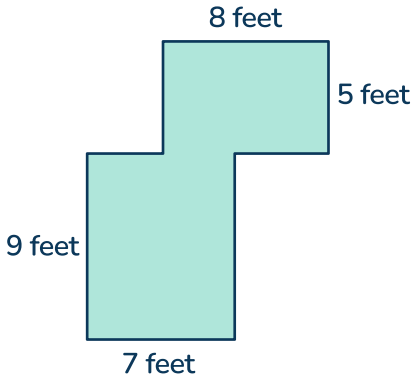
37 Each basket has 7 apples. There are 91 apples in all. How many baskets are there?

A. 98 baskets
B. 83 baskets
C. 7 baskets
D. 13 baskets

38 Lorenzo put two rectangles together to create the shape below.



What is the area, in square feet, of the shape that Lorenzo created?

A. 103 square feet
B. 29 square feet
C. 48 square feet
D. 63 square feet

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39 How can you arrange 24 buttons in equal rows? Select all the correct answers.

A. 3 rows of 8
B. 12 rows of 2
C. 20 rows of 4
D. 6 rows of 8
E. 12 rows of 12

40 Which context can be represented by 42 ÷ 7?

A. There were 42 cookies. Then Bryce ate 7 cookies.
B. There were 7 cookies and Bryce made 42 more.
C. Bryce has 7 bags. He puts 42 cookies equally into the bags.
D. Bryce made 42 cookies. He made 7 times as many cookies as Cole.

Standard: 3.NF.2, 3.NF.3
DOK 3
Short Answer Response - 2 points

41 Abby is solving $\triangle \div 9 = 5$. She uses $9 \times 5 = \triangle$ to find the value of $\triangle$.
Will this solving strategy work? Why or why not?

_____
_____
_____

Standard: 3.MD.4, 3.NF.3
DOK 3
Short Answer Response - 2 points

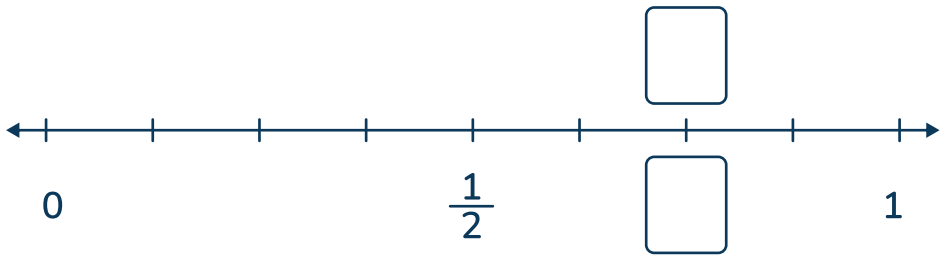
42 Sunny is growing 8 plants. Sunny records the height of each plant (in feet):
$\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{4}$, $\frac{2}{4}$, $1\frac{1}{4}$, 1 , $\frac{2}{8}$.
Graph the height of Sunny's plants on the line plot below.

Item	KEY	Rationale
	2 points	Student correctly identifies that Abby's strategy will work and clearly explains the connection between the two equations.
41	1 point	Student correctly identifies that Abby's strategy will work but does not clearly explain the connection between the two equations.
	0 points	Student is incorrect or leaves the response blank.

Item	KEY	Rationale
42	2 points	Student correctly creates a scale on the line plot and records each fraction.
	1 point	Student creates a scale on the line plot and records each fraction, making 1 or 2 mistakes.
	0 points	Student makes more than 2 mistakes or leaves the response blank.

Standard: 3.NF.2, 3.NF.3
DOK 3
Extended Response - 4 points

43 **PART A:** Fill in the blanks with the two equivalent fractions shown on the number line.



PART B: Show where the fraction $\frac{3}{3}$ belongs on the number line. Explain how you solved.

_____

_____

Item	KEY	Rationale
43	4 points	Student correctly identifies the missing fractions as $\frac{3}{4}$ and $\frac{6}{8}$ and $\frac{3}{3}$ as 1. Student clearly explains that 3 thirds is 3 out of 3 and equal to 1 whole.
	3 points	Student correctly identifies the missing fractions as $\frac{3}{4}$ and $\frac{6}{8}$ and $\frac{3}{3}$ as 1, but does not clearly explain why $\frac{3}{3}$ is equal to 1 whole.
	2 points	Student correctly identifies 1 of the 2 the missing fractions as $\frac{3}{4}$ and $\frac{6}{8}$ and $\frac{3}{3}$ as 1. Student explains that 3 thirds is 3 out of 3 and equal to 1 whole.
	1 point	Student incorrectly identifies 2 out of the 3 fractions - the missing fractions or $\frac{3}{3}$.
	0 points	Student does not identify any of the fractions correctly or leaves the response blank.

Answer Key - Multiple Choice

Item number	Correct answer	Standard(s)	DOK
1	A	**3.OA.1**	DOK 2
2	C	**3.OA.8**	DOK 2
3	D	**3.MD.5, 3.MD.6**	DOK 1
4	D	**3.G.2, 3.NF.1**	DOK 2
5	A	**3.NBT.3**	DOK 1
6	B	**3.OA.4**	DOK 1
7	C	**3.NF.3d**	DOK 1
8	D	**3.MD.3**	DOK 2
9	A,C,E	**3.OA.9**	DOK 2
10	A	**3.NF.2, 3.NF.3**	DOK 2
11	A,E	**3.OA.3**	DOK 2
12	A	**3.OA.8**	DOK 2
13	D	**3.NBT.1**	DOK 1
14	B	**3.MD.1**	DOK 1
15	C	**3.NF.1, 3.NF.2a**	DOK 1
16	A	**3.MD.2**	DOK 2
17	D	**3.NF.3d**	DOK 2
18	B	**3.G.1**	DOK 2
19	D,E	**3.MD.8**	DOK 2
20	C	**3.OA.6**	DOK 1

Item number	Correct answer	Standard(s)	DOK
21	A	**3.NBT.2**	DOK 2
22	B	**3.NF.3c**	DOK 1
23	D	**3.OA.2**	DOK 1
24	C,D,E	**3.MD.7, 3.OA.1**	DOK 2
25	C	**3.G.1**	DOK 1
26	A	**3.NF.3a, 3.NF.3b**	DOK 1
27	B	**3.OA.4**	DOK 1
28	D	**3.OA.8**	DOK 2
29	B	**3.NF.2**	DOK 2
30	A	**3.MD.5**	DOK 1
31	C,D	**3.OA.5**	DOK 2
32	B	**3.MD.2**	DOK 1
33	C	**3.NF.2**	DOK 1
34	B	**3.NBT.2, 3.OA.8**	DOK 2
35	A	**3.MD.1**	DOK 2
36	C	**3.G.2**	DOK 1
37	D	**3.OA.3**	DOK 1
38	A	**3.MD.7d**	DOK 2
39	A,B	**3.OA.1**	DOK 1
40	C	**3.OA.2**	DOK 1

ANSWERS SORTED BY CCSS STRAND

OA			
1	A	**3.OA.1**	DOK 2
2	C	**3.OA.8**	DOK 2
6	B	**3.OA.4**	DOK 1
9	A,C,E	**3.OA.9**	DOK 2
11	A,E	**3.OA.9**	DOK 2
12	A	**3.OA.8**	DOK 2
20	C	**3.OA.6**	DOK 1
23	D	**3.OA.2**	DOK 1
27	B	**3.OA.4**	DOK 1
28	D	**3.OA.8**	DOK 2
31	C,D	**3.OA.5**	DOK 2
37	D	**3.OA.3**	DOK 1
39	A,B	**3.OA.1**	DOK 1
40	C	**3.OA.2**	DOK 1
41	Short Answer Response	**3.OA.1, 3.OA.2, 3.OA.4**	DOK 3

NBT			
5	A	**3.NBT.3**	DOK 1
13	D	**3.NBT.1**	DOK 1
21	A	**3.NBT.2**	DOK 2
34	B	**3.NBT.2, 3.OA.8**	DOK 2

NF			
7	C	**3.NF.3d**	DOK 1
10	A	**3.NF.2, 3.NF.3**	DOK 2
15	C	**3.NF.1, 3.NF.2a**	DOK 1
17	D	**3.NF.3d**	DOK 1
22	B	**3.NF.3c**	DOK 1
26	A	**3.NF.3a, 3.NF.3b**	DOK 1
29	B	**3.NF.2**	DOK 2
33	C	**3.NF.2**	DOK 1
43	Short Answer Response	**3.NF.2, 3.NF.3**	DOK 3

MD			
3	D	**3.MD.5, 3.MD.6**	DOK 1
8	D	**3.MD.3**	DOK 2
14	B	**3.MD.1**	DOK 1
16	A	**3.MD.2**	DOK 2
19	D,E	**3.MD.8**	DOK 2
24	C,D,E	**3.MD.7, 3.OA.1**	DOK 2
30	A	**3.MD.5**	DOK 1
32	B	**3.MD.2**	DOK 1
35	A	**3.MD.1**	DOK 2
38	A	**3.MD.7d**	DOK 2
42	Short Answer Response	**3.MD.4, 3.NF.4**	DOK 3

G			
4	D	**3.G.2, 3.NF.1**	DOK 1
18	B	**3.G.1**	DOK 2
25	C	**3.G.1**	DOK 1
36	C	**3.G.2**	DOK 1

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