THIRD SPACE LEARNING

3rd Grade Washington State Test

State Test Grade 3

Grade 3

Questions

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

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

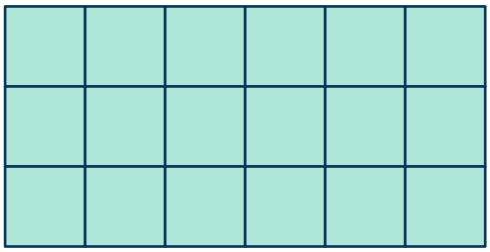
1 Sammy made 7 donuts. Each donut has 3 green candies and 5 red candies. Which equation shows the total number of red candies?

A. 7×5
B. 5×3
C. 3×7
D. 5×5

2 Cameron has $25. He will earn $9 each week for the next 4 weeks for completing his chores. How much money will Cameron have at the end of the 4 weeks? Which equation can be used to solve?

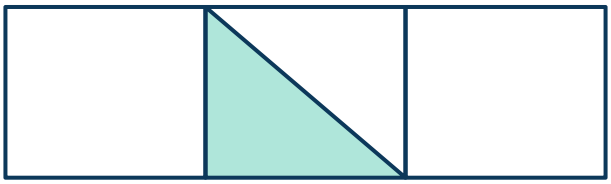
A. $25 + 9 + 4 = t$
B. $(25 + 9) \times 4 = t$
C. $9 \times 4 + 25 = t$
D. $4 + 9 \times 25 = t$

3 What is the area of the rectangle?



A. 15 units
B. 15 square units
C. 18 units
D. 18 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 $7 \times 80 = a$

What is the value of a?

A. 560
B. 150
C. 780
D. 87

---

6 What number makes the equations true?

9 x _____ = 63

63 ÷ 9 = _____

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

7 Which fraction is larger than $\frac{4}{6}$?

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

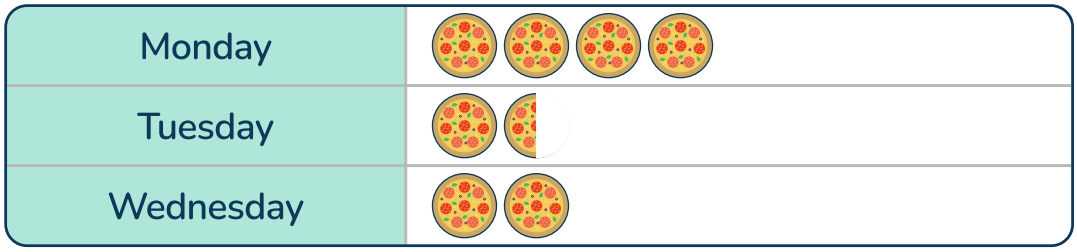
B. $\frac{2}{3}$

C. $\frac{7}{8}$

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

8

Mr. Pizza's total sales



= 4 pizzas sold

How many more pizzas were sold on Monday than Tuesday and Wednesday?

A. 4

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

C. 2

D. 12

9

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

Kenny circles the products of 7 in red and shades in the products of 4 in blue.
Which statements about the products are true?

A. The products of 4 are always even
B. The products of 7 are always odd
C. All products of 4 are also products of 7
D. No products of 7 end in 5 or 0.

10

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

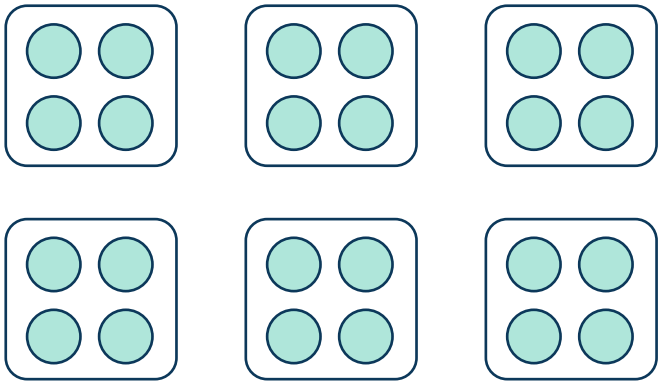
A. $\frac{2}{3}$

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

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

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

11



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

A. Ellie made 6 paper airplanes and then made 4 more. How many paper airplanes did Ellie make?
B. There are 6 packs of muffins. Each pack has 4 muffins. How many muffins are there in total?
C. There are 6 chapters. Each chapter has 24 pages. How many pages does one chapter have?
D. There are 4 trees. Each tree has 24 leaves. How many leaves are there in total?
E. There are 24 ounces of pineapple. Each smoothie has 4 ounces of pineapple. How many smoothies can be made?

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12 Serena has four goldfish. Each goldfish eats 2 ounces of food each day. Serena has 44 ounces of fish food. How many more days can Serena feed her fish with the food she has?

A. 5 days
B. 8 days
C. 12 days
D. 22 days

13 What is 6,339 rounded to the nearest hundred?

A. 6,400
B. 6,340
C. 6,000
D. 6,300

---

14 What time is shown on the clock?

A. 8:15
B. 2:40
C. 3:40
D. 2:08

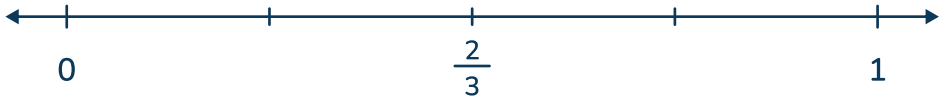
15 Which number line correctly shows the fraction $\frac{2}{3}$?

A.

B.

C.

D.



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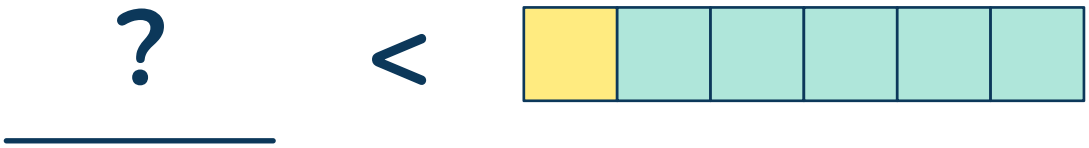
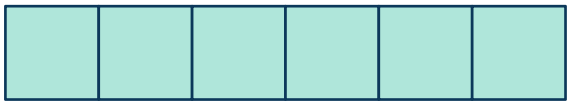
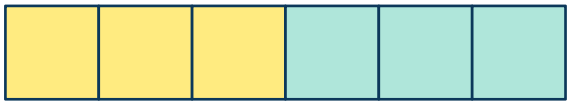
16 Which is the best estimate for the weight of a pineapple?

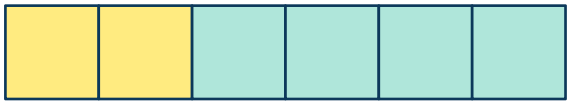
A. 150 grams
B. 1 kilogram
C. 1 gram
D. 150 kilograms

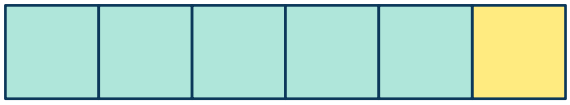
17 Which shape correctly completes the comparison?



A. 

B. 

C. 

D. 

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

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

19 Penelope has 24 meters of fence. What are the possible dimensions for a dog run that Penelope can completely fence in? Select all the correct answers.

A. 6 meters by 4 meters
B. 10 meters by 14 meters
C. 12 meters by 12 meters
D. 6 meters by 6 meters
E. 3 meters by 8 meters

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20 Which equation can help you solve 48 ÷ 6 = △?

A. △ ÷ 6 = 48
B. △ x 48 = 6
C. 6 ÷ △ = 48
D. 6 x △ = 48

21 Solve 371 - 188.

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

22

What is the missing value?

A. 0
B. $\frac{1}{4}$
C. $\frac{4}{4}$
D. $\frac{3}{4}$

23 There are 36 3rd graders in PE. They will be placed on 6 different teams. Each team has the same number of students. Which equation can be used to find the number of students on each team?

A. 36 x 6 = ?
B. 36 - 6 = ?
C. 36 + 6 = ?
D. 36 ÷ 6 = ?

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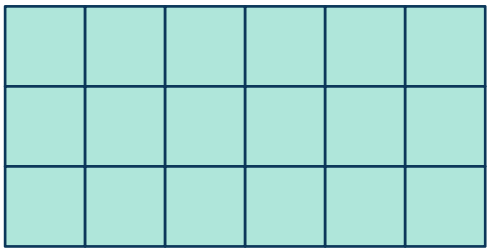
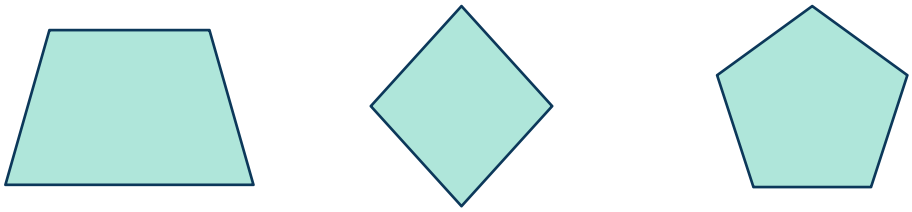
24 The shape below is made of square units.

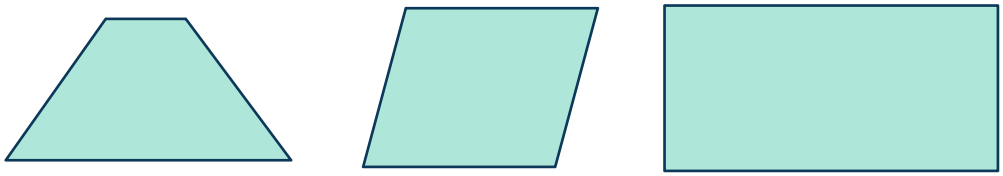


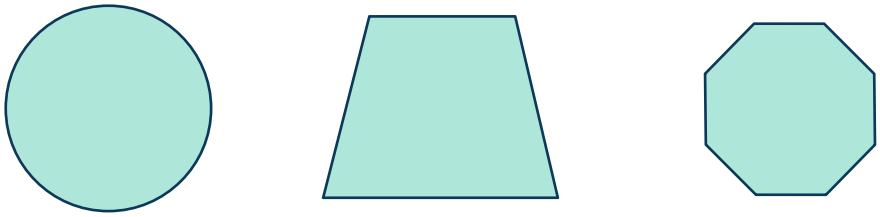
Which expressions can be used to find the area of the shape? Select all the correct answers.

A. 3 + 6
B. 3 + 6 + 3 + 6
C. 3 x 6
D. 6 + 6 + 6
E. 3 + 3 + 3 + 3 + 3 + 3

25 Which group of shapes only has quadrilaterals?

A. 

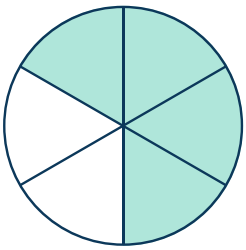
B. 

C. 

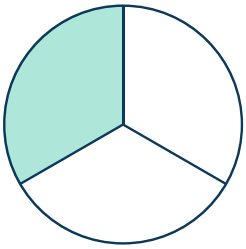
D. 

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

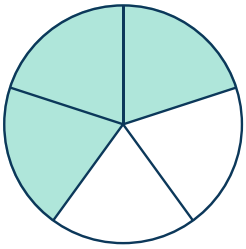
A.



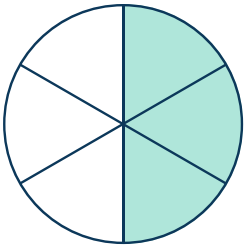
B.



C.



D.



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27 Milo is solving ? ÷ 5 = 6. Which equation can help Milo solve?

A. 6 ÷ ? = 5
B. 6 x 5 = ?
C. ? x 5 = 6
D. 6 ÷ 5 = ?

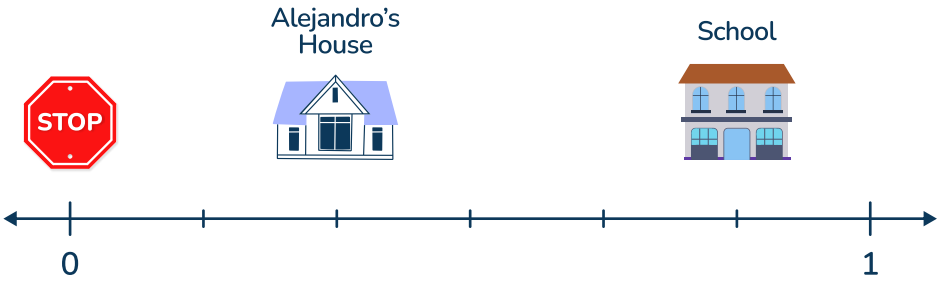
28 Monday, Benito listened to 15 songs on his phone. For the next 4 days, Benito will listen to 12 songs each day. At the end of the week, how many songs will Benito have listened to?

A. 35 songs
B. 31 songs
C. 63 songs
D. 82 songs

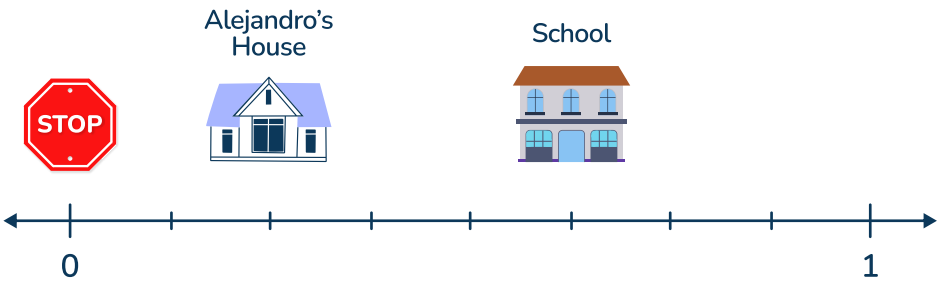
---

29 Alejandro lives on a 1 mile street. Alejandro lives $\frac{2}{6}$ of a mile from the stop sign. There is a school $\frac{5}{6}$ of a mile from the stop sign. Which number line correctly shows Alejandro's house and the school?

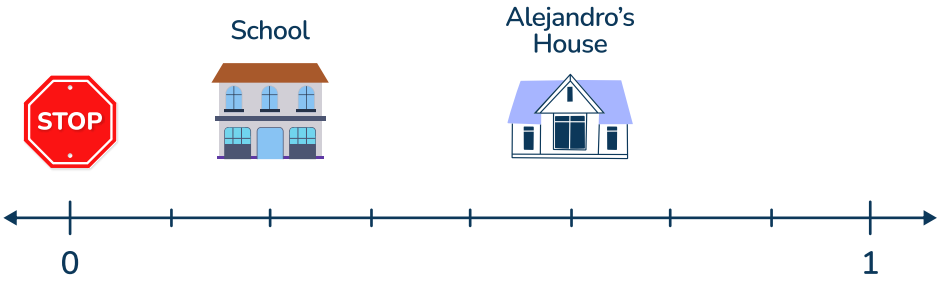
A.



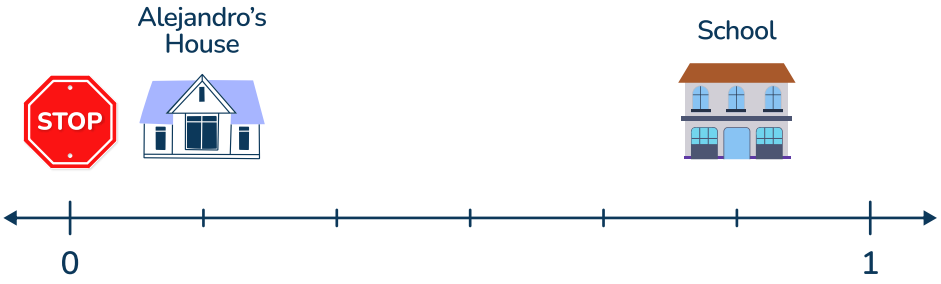
B.



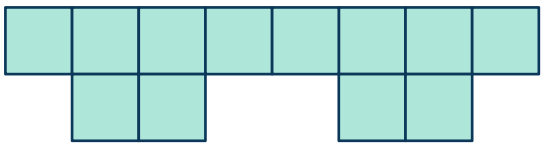
C.

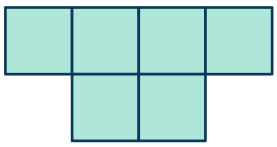


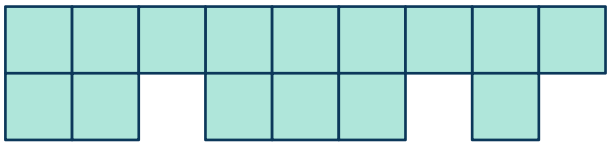
D.

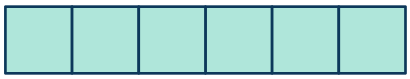


30 Which shape has an area of 15 units?

A. 

B. 

C. 

D. 

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31 Which equation is equivalent to 4 x 7 ? Select all the correct answers.

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

32 A baker has 5 containers of flour. Each container has 19 grams of flour. How many grams of flour in total does the baker have?

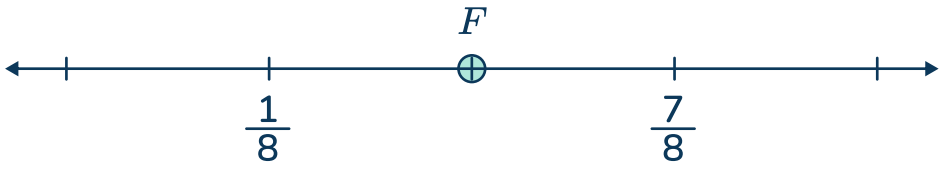
A. 24 grams

B. 95 grams

C. 76 grams

D. 65 grams

33



Which fraction shows point F?

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

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

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

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

34 Terri earned 347 points on Level 1 and 481 points on Level 2. She lost 176 points on Level 3. ***About*** how many points did Terri have at the end of Level 3?

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

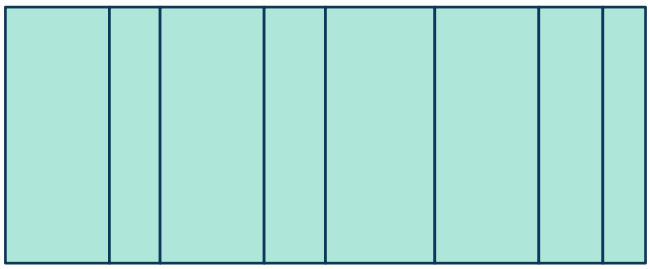
---

35 Fredrick does homework for 35 minutes and then practices piano for 22 minutes. Then he eats dinner for 19 minutes. If he finishes dinner at 7:33pm, what time did Fredrick start his homework?

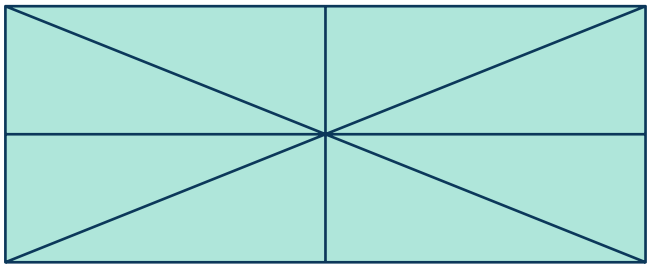
A. 6:17 pm
B. 8:59 pm
C. 5:38 pm
D. 6:38 pm

36 Which rectangle is divided into 8 equal parts?

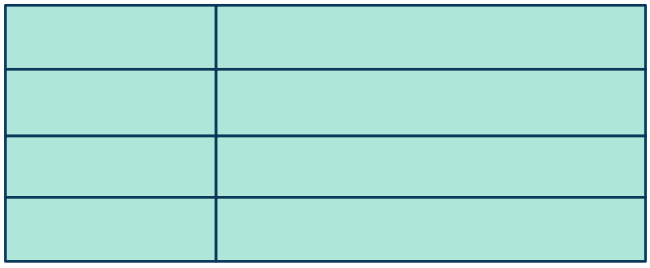
A.



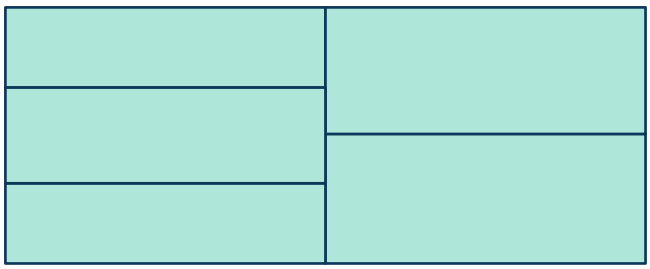
B.



C.



D.



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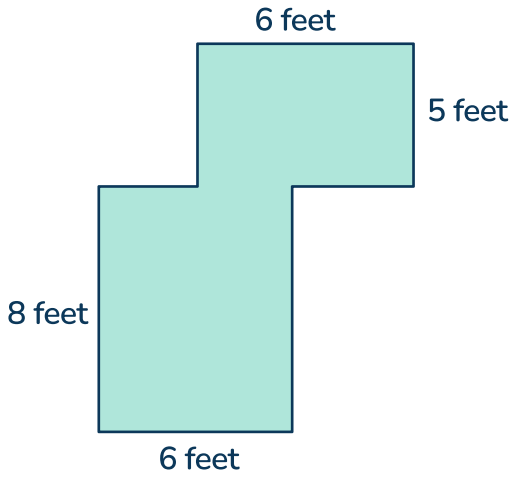
37 Each bucket has 8 shells. There are 96 shells in all. How many buckets are there?

A. 104 buckets
B. 88 buckets
C. 8 buckets
D. 12 buckets

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



What is the area, in square feet, of the shape?

A. 78 square feet
B. 25 square feet
C. 42 square feet
D. 64 square feet

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39 How can you arrange 16 buttons in equal rows? Select all the correct answers.

A. 4 rows of 4
B. 2 rows of 12
C. 5 rows of 3
D. 8 rows of 2
E. 8 rows of 8

40 Which context can be represented by $42 \div 7$?

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.OA.1, 3.OA.2, 3.OA.4
DOK 3
Short Answer Response - 2 points

41 Annie is solving △ ÷ 7 = 6. She uses 7 x 6 = △ to find the value of △. Will this solving strategy work? Why or why not?

_____
_____
_____
_____
_____
_____

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

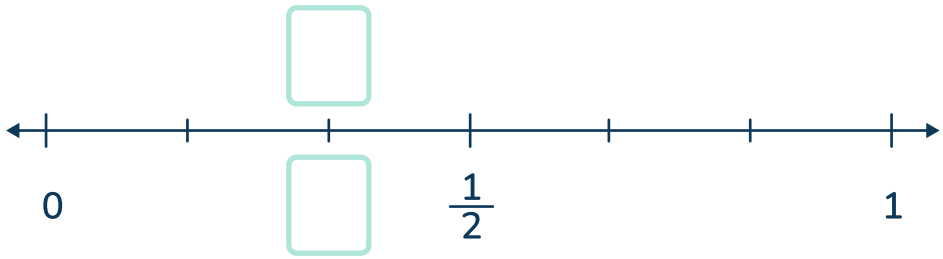
42 Tricia is growing 8 plants. Tricia records the height of each plant (in feet):

$\frac{1}{4}, \frac{2}{8}, \frac{2}{4}, \frac{6}{8}, \frac{3}{4}, 1\frac{1}{4}, 1, \frac{4}{8}$.

Graph the height of Sunny's plants on the line plot below.

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 $\frac{4}{4}$ belongs on the number line. Explain how you solved.

_____

_____

Answer Key - Multiple Choice

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

Item number	Correct answer	Standard(s)	DOK
20	D	**3.OA.B.6**	DOK 1
21	C	**3.NBT.A.2**	DOK 2
22	C	**3.NF.A.3c**	DOK 1
23	D	**3.OA.A.2**	DOK 1
24	C, D, E	**3.MD.C.7, 3.OA.A.1**	DOK 2
25	B	**3.G.A.1**	DOK 1
26	A	**3.NF.A.3a, 3.NF.A.3b**	DOK 1
27	B	**3.OA.A.4**	DOK 1
28	C	**3.OA.D.8**	DOK 2
29	A	**3.NF.A.2**	DOK 2
30	C	**3.MD.C.5**	DOK 1
31	C, D	**3.OA.B.5**	DOK 2
32	B	**3.MD.A.2**	DOK 1
33	C	**3.NF.A.2**	DOK 1
34	D	**3.NBT.A.2, 3.OA.D.8**	DOK 2
35	A	**3.MD.A.1**	DOK 2
36	B	**3.G.A.2**	DOK 1
37	D	**3.OA.A.3**	DOK 1
38	A	**3.MD.C.7d**	DOK 2
39	A, D	**3.OA.A.1**	DOK 1
40	C	**3.OA.A.2**	DOK 1

Item number	Correct answer	Standard(s)	DOK
41	Short Answer Response	**3.OA.A.1, 3.OA.A.2, 3.OA.A.4**	DOK 3
42	Short Answer Response	**3.MD.B.4, 3.NF.A.4**	DOK 3
43	Short Answer Response	**3.NF.A.2, 3.NF.A.3**	DOK 3

Item	KEY	Rationale
41	2 points	Student correctly identifies that Annie's strategy will work and clearly explains the connection between the two equations.
	1 point	Student correctly identifies that Annie'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.

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

ANSWERS SORTED BY CCSS STRAND

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

NBT			
Item number	Correct answer	Standard(s)	DOK
5	A	**3.NBT.A.3**	DOK 1
13	D	**3.NBT.A.1**	DOK 1
21	C	**3.NBT.A.2**	DOK 2
34	D	**3.NBT.A.2, 3.OA.D.8**	DOK 2

NF			
Item number	Correct answer	Standard(s)	DOK
7	C	**3.NF.A.3d**	DOK 1
10	A, C	**3.NF.A.2, 3.NF.A.3**	DOK 2
15	C	**3.NF.A.1, 3.NF.A.2a**	DOK 1
17	A	**3.NF.A.3d**	DOK 1
22	C	**3.NF.A.3c**	DOK 1
26	A	**3.NF.A.3a, 3.NF.A.3b**	DOK 1
29	A	**3.NF.A.2**	DOK 2
33	C	**3.NF.A.2**	DOK 1
43	Short Answer Response	**3.NF.A.2, 3.NF.A.3**	DOK 3

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

G			
Item number	Correct answer	Standard(s)	DOK
4	C	**3.G.A.2, 3.NF.A.1**	DOK 1
18	C	**3.G.A.1**	DOK 2
25	B	**3.G.A.1**	DOK 1
36	B	**3.G.A.2**	DOK 1

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