THIRD SPACE LEARNING

3rd Grade CA CSS State Test

State Test Grade 3

Grade 3

Questions

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

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

1 The antique store has 8 wooden chairs. Each chair has 4 legs. Each chair has a back with 3 slats. Which equation shows the total number of legs?

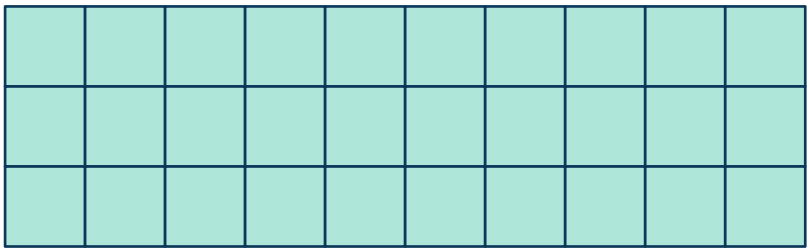
A. 8 x 4
B. 4 x 3
C. 3 x 8
D. 4 x 4

2 The candy store has 31 packs of sour straws. A new box with 6 boxes of 7 packs of sour straws just arrived. How many packs of sour straws does the candy store have now?

Which equation can be used to solve?

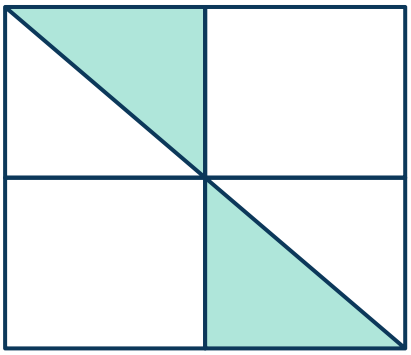
A. $31 + 6 + 7 = t$
B. $(31 + 6) \times 7 = t$
C. $6 \times 7 + 31 = t$
D. $7 + 6 \times 31 = t$

3 What is the area of the rectangle?



A. 20 units
B. 20 square units
C. 30 units
D. 30 square units

4



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

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

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

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

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

5 $5 \times 90 = a$

What is the value of a?

A. 450
B. 130
C. 760
D. 52

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6 What number makes the equations true?

$6 \times$ _____ $= 42$

$42 \div 6=$ _____

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

7 Which fraction is larger than $\frac{1}{3}$?

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

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

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

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

8

Chapters Read in a Day

Wednesday	
Thursday	
Friday	

 = 2 chapters read

How many more chapters were read on Thursday than Wednesday and Friday?

A. 2

B. 6

C. 4

D. 1

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

Francisco circles the products of 5 in red and shades in the products of 2.
Which statements about the products are true? Select all the correct answers.

A. The products of 2 are always even
B. The products of 5 are always odd
C. All products of 2 are also products of 5
D. Double a product of 5 is always a product of 2

10

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

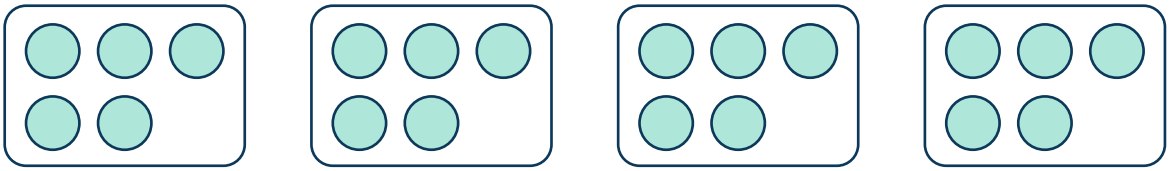
A. $\frac{1}{4}$

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

C. $\frac{3}{6}$

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

11



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

A. Cassy scored 5 points and then 4 more points. How many points did she score in total?
B. There are 5 chapters. Each chapter has 20 pages. How many pages does one chapter have?
C. There are 4 packs of pencils. Each pack has 5 pencils. How many pencils are there in total?
D. There are 5 pepper plants. Each plant has 20 peppers. How many peppers are there in total?
E. There are 20 ounces of strawberry. Each smoothie has 5 ounces of strawberry. How many smoothies can be made?

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12 Jasmine has three fish. Each fish eats 4 ounces of food each day. Jasmine has 54 ounces of fish food. How many more days can Jasmine feed her fish with the food she has?

A. 5 days
B. 18 days
C. 4 days
D. 50 days

13 What is 2,671 rounded to the nearest hundred?

A. 2,500
B. 3,000
C. 2,700
D. 2,670

---

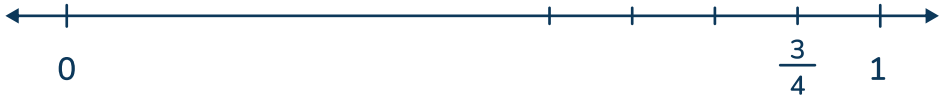
14 What time is shown on the clock?

A. 12:50
B. 12:20
C. 1:10
D. 10:01

15 Which number line correctly shows the fraction $\frac{3}{4}$?

A.

B.



C.

D.

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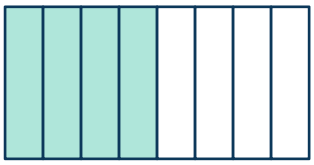
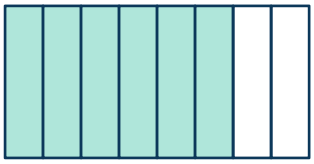
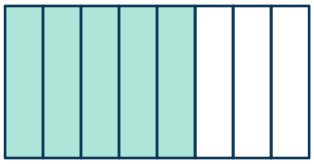
16 Which is the best estimate for the weight of a textbook?

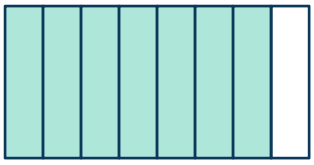
A. 150 grams
B. 1 kilogram
C. 1 gram
D. 150 kilograms

17 Which shape correctly completes the comparison?

A. 

B. 

C. 

D. 

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

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

19 Jasilynn has 24 meters of fence. What are the possible dimensions for a rectangular garden that Jasilynn can completely fence in? Select all the correct answers.

A. 12 meters by 12 meters
B. 6 meters by 6 meters
C. 6 meters by 4 meters
D. 5 meters by 4 meters
E. 12 meter by 2 meters

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20 Which equation can help you solve 36 ÷ 4 = △?

A. △ ÷ 4 = 36
B. 4 x △ = 36
C. △ x 36 = 4
D. 4 ÷ △ = 36

21 Solve 562 - 279.

A. 283
B. 117
C. 193
D. 208

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22 What is the missing value?

A. 0
B. $\frac{3}{3}$
C. $\frac{1}{3}$
D. $\frac{6}{3}$

23 A pet store has 40 lizards. They will be placed into 8 separate tanks. Each tank has the same amount of lizards. Which equation can be used to find the number of lizards in each tank?

A. 40 x 8 = ?
B. 40 - 8 = ?
C. 40 ÷ 8 = ?
D. 40 + 8 = ?

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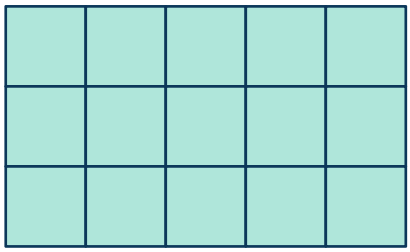
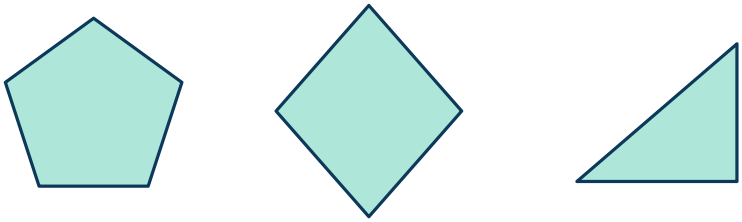
24 The shape below is made of square units.

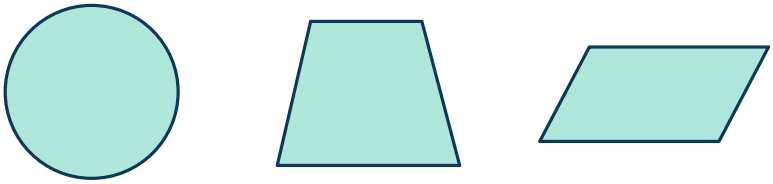


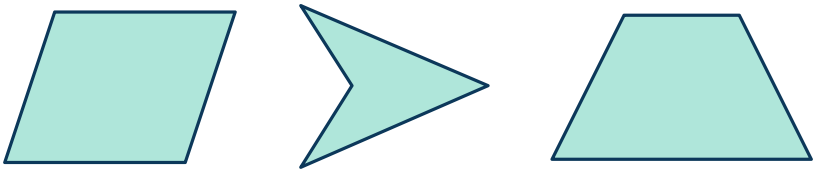
Which expressions can be used to find the area of the shape? Select all the correct answers.

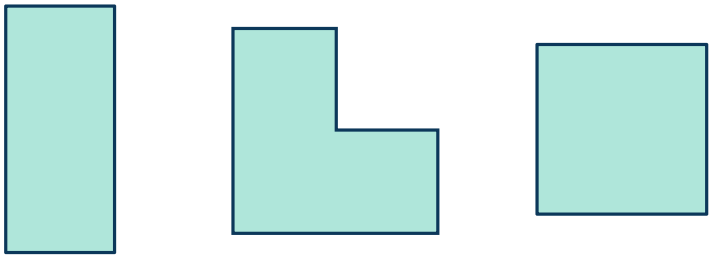
A. 3 + 3 + 3 + 3 + 3
B. 3 + 5
C. 3 + 5 + 3 + 5
D. 3 x 5
E. 5 + 5 + 5

25 Which group of shapes only has quadrilaterals?

A. 

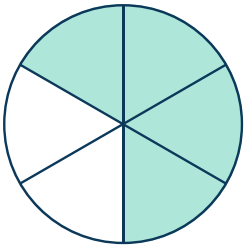
B. 

C. 

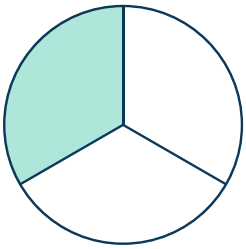
D. 

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

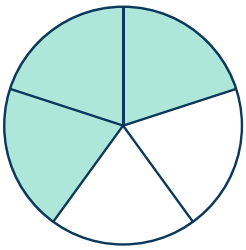
A.



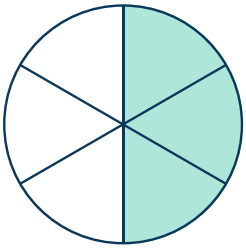
B.



C.



D.



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27 Gracie is solving ? ÷ 8 = 9. Which equation can help Gracie solve?

A. 8 ÷ ? = 9
B. ? x 8 = 9
C. 8 x 9 = ?
D. 8 ÷ 9 = ?

28 On Monday, Tyron read 32 pages in his book. For the next 4 days, Tyron will read 21 pages each day. At the end of the week, how many total pages will Tyron have read in total?

A. 57 pages

B. 84 pages

C. 149 pages

D. 116 pages

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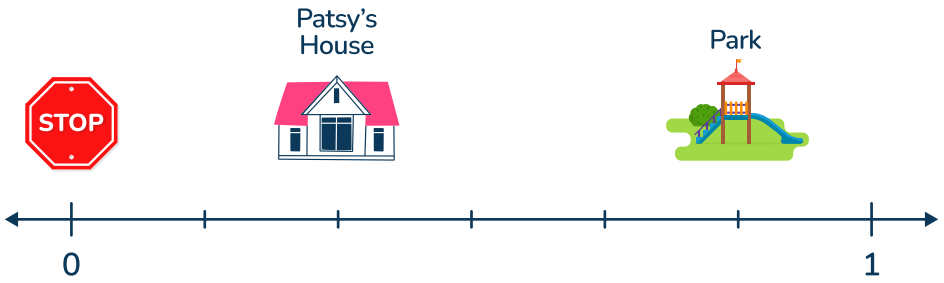
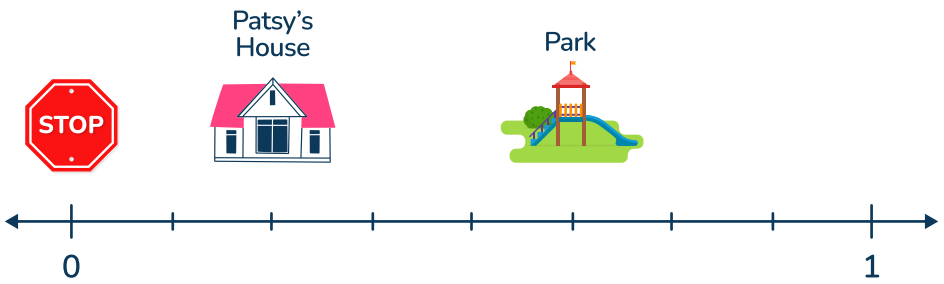
29 Patsy lives on a 1 mile street. Patsy lives $\frac{2}{6}$ of a mile from the stop sign. There is a park $\frac{5}{6}$ of a mile from the stop sign. Which number line correctly shows Patsy's house and the park?

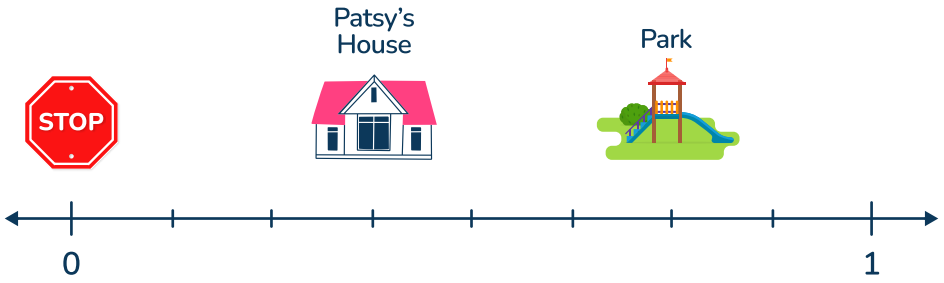
A.



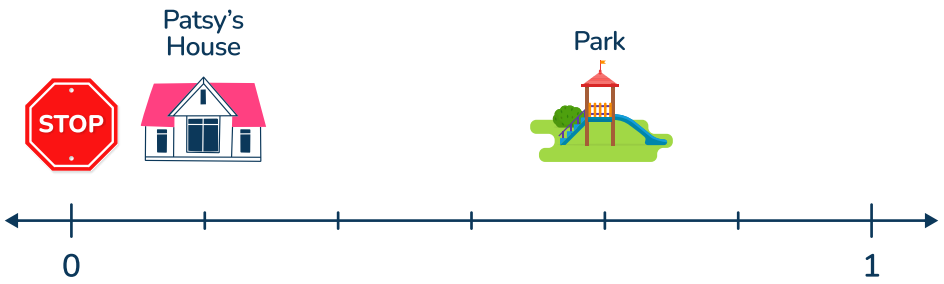
B.



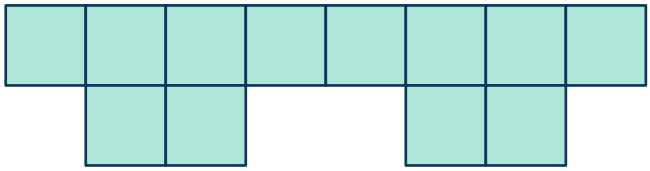
C.

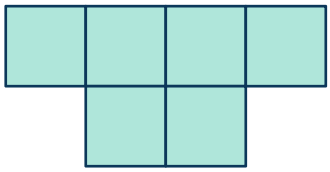


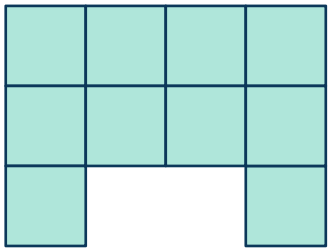
D.

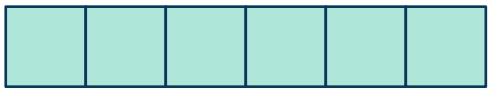


30 Which shape has an area of 10 units?

A. 

B. 

C. 

D. 

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31 Which equation is equivalent to 7 x 9? Select all correct answers.

A. 6 + (4 + 4)
B. 3 x 3 x 0
C. (3 x 9) + (4 x 9)
D. 7 x (8 + 1)
E. (7 + 2) x (7 + 7)

32 A gardener has 5 containers of potting soil. Each container has 17 grams of potting soil. How many grams of potting soil in total does the gardner have?

A. 22 grams
B. 72 grams
C. 85 grams
D. 36 grams

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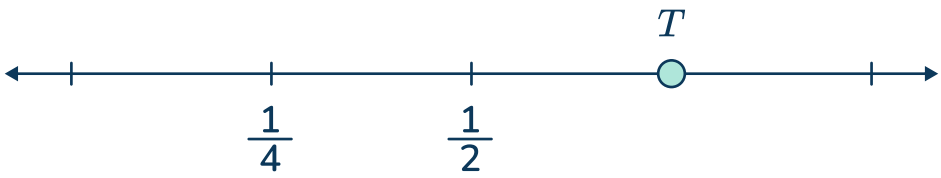
33 Which fraction shows point T?



A. $\frac{1}{3}$
B. $\frac{2}{8}$
C. $\frac{5}{6}$
D. $\frac{3}{4}$

34 Marie earned 129 points on Level 1 and 281 points on Level 2. She lost 84 points on Level 3. About how many points did Marie have at the end of Level 3?

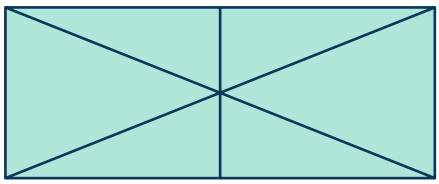
A. 326 points
B. 494 points
C. 439 points
D. 500 points

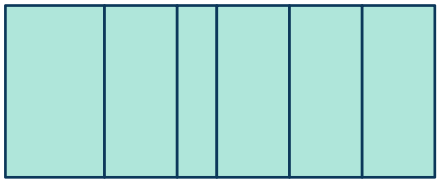
---

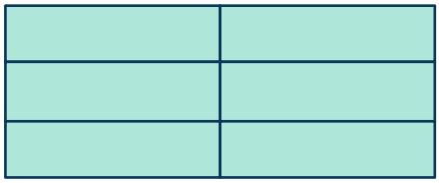
35 Cassian rides his bike for 25 minutes and then watches videos on his tablet for 32 minutes. Then he eats dinner for 21 minutes. If he finishes dinner at 7:19pm, what time did Cassian start riding his bike?

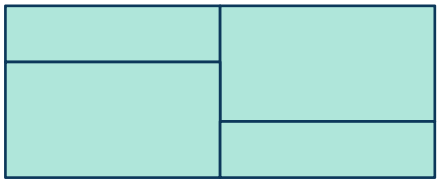
A. 5:38 pm
B. 8:28 pm
C. 6:01 pm
D. 7:38 pm

36 Which rectangle is divided into 6 equal parts?

A. 

B. 

C. 

D. 

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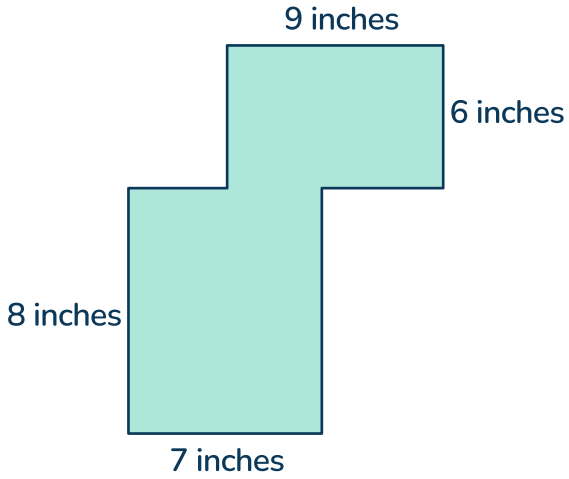
37 Each basket has 6 tennis balls. There are 78 tennis balls in all. How many baskets are there?

A. 71 baskets
B. 84 baskets
C. 7 baskets
D. 13 baskets

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



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

A. 48 square feet
B. 30 square feet
C. 110 square feet
D. 63 square feet

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39 How can you arrange 32 buttons in equal rows? Select all the correct answers.

A. 4 rows of 8
B. 12 rows of 3
C. 10 rows of 4
D. 2 rows of 16
E. 12 rows of 12

40 Which context can be represented by 36 ÷ 6?

A. There were 36 donuts. Then Josue ate 6 donuts.
B. There were 6 donuts and Josue made 36 more.
C. Josue has 6 bags. He puts 36 donuts equally into the bags.
D. Josue made 36 donuts. He made 6 times as many donuts as Fernando.

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

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

_____

_____

_____

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

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

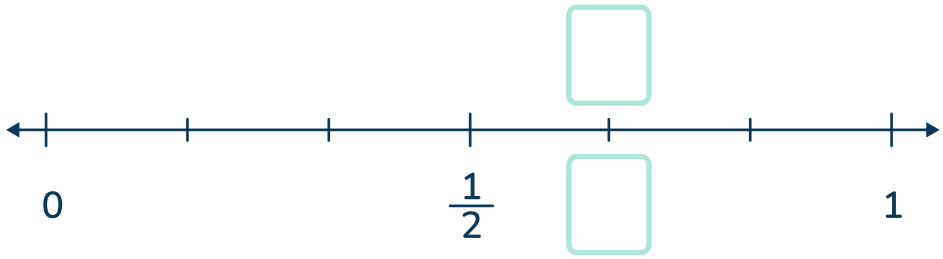
42 Tricia is has 8 pieces of ribbon. Tricia records the length of each ribbon (in inches): $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{4}$, $\frac{2}{4}$, $1\frac{1}{4}$, $1\frac{2}{8}$.

Graph the length of Tricia's ribbons on the line plot below.

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 $\frac{2}{3}$ and $\frac{4}{6}$ or equivalent 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 $\frac{2}{3}$ and $\frac{4}{6}$ or equivalent 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 $\frac{2}{3}$ and $\frac{4}{6}$ or equivalent and $\frac{3}{3}$ as 1. Student does not explain 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	Domain	Target	DOK	CCSS-MC
1	A	**OA**	**A**	DOK 2	**3.OA.1**
2	C	**OA**	**D**	DOK 2	**3.OA.8**
3	D	**MD**	**I**	DOK 1	**3.MD.5, 3.MD.6**
4	B	**G,NF**	**F, K**	DOK 2	**3.G.2, 3.NF.1**
5	A	**NBT**	**E**	DOK 1	**3.NBT.3**
6	D	**OA**	**A**	DOK 1	**3.OA.4**
7	C	**NF**	**F**	DOK 1	**3.NF.3d**
8	D	**MD**	**H**	DOK 2	**3.MD.3**
9	A, D	**OA**	**D**	DOK 2	**3.OA.9**
10	D	**NF**	**F**	DOK 2	**3.NF.2, 3.NF.3**
11	C, E	**OA**	**A**	DOK 2	**3.OA.3**
12	C	**OA**	**D**	DOK 2	**3.OA.8**
13	C	**NBT**	**E**	DOK 1	**3.NBT.1**
14	A	**MD**	**G**	DOK 1	**3.MD.1**
15	C	**NF**	**F**	DOK 1	**3.NF.1, 3.NF.2a**
16	B	**MD**	**G**	DOK 2	**3.MD.2**
17	D	**NF**	**F**	DOK 2	**3.NF.3d**
18	B	**G**	**K**	DOK 2	**3.G.1**
19	B	**MD**	**J**	DOK 2	**3.MD.8**
20	B	**OA**	**B**	DOK 1	**3.OA.6**

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

ANSWERS SORTED BY CCSS STRAND

OA			
1	A	**3.OA.1**	DOK 2
2	C	**3.OA.8**	DOK 2
6	D	**3.OA.4**	DOK 1
9	A, D	**3.OA.3**	DOK 2
11	C, E	**3.OA.9**	DOK 2
12	C	**3.OA.8**	DOK 2
20	B	**3.OA.6**	DOK 1
23	C	**3.OA.2**	DOK 1
27	C	**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, D	**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	C	**3.NBT.1**	DOK 1
21	A	**3.NBT.2**	DOK 2
34	A	**3.NBT.2, 3.OA.8**	DOK 2

NF			
7	C	**3.NF.3d**	DOK 1
10	D	**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	D	**3.NF.3c**	DOK 1
26	A	**3.NF.3a, 3.NF.3b**	DOK 1
29	A	**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	A	**3.MD.1**	DOK 1
16	B	**3.MD.2**	DOK 2
19	C, D	**3.MD.8**	DOK 2
24	A, D, E	**3.MD.7, 3.OA.1**	DOK 2
30	C	**3.MD.5**	DOK 1
32	C	**3.MD.2**	DOK 1
35	C	**3.MD.1**	DOK 2
38	C	**3.MD.7d**	DOK 2
42	Short Answer Response	**3.MD.4, 3.NF.4**	DOK 3

G			
4	B	**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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