THIRD SPACE
LEARNING

3rd Grade Tennessee State Practice Math Test

Tennessee Practice Test Grade 3

Grade 3

Questions

Name: ....

Class: ....

Date: ....

Score: ....

No Calculator For Questions 1 - 22

1 Misty has 6 cats. Each cat has 4 legs. Each leg has a foot with 5 toes. Which equation shows the total number of cat legs?

    A. 4×5
    B. 5×6
    C. 6×4
    D. 4×4

2 A toy store has 24 action figures on the shelf. They got 3 new boxes, and each box has 7 action figures inside.

Which equation can be used to find, t, the number of action figures the toy store has now?

PART A
A. $3 \times 7 + 24 = t$
B. $24 + 3 + 7 = t$
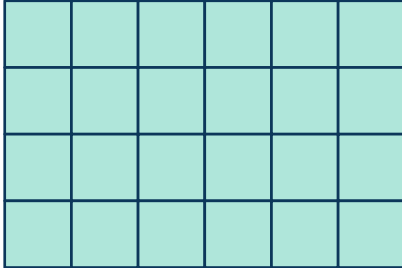C. $(24 \div 3) \times 7 = t$
D. $3 \times 7 - 24 = t$

PART B
How many oranges does the grocery store have now?
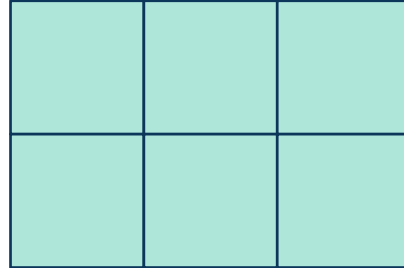
Write your answer in the box provided.

✎ Answer

3 Griffin and Regina have the same size desks. They each cover their desk with square tiles.

Griffin's Desk   Regina's Desk

- Griffin says "The area of the desks is 24 square units."
- Regina says "The area of the desks is 6 square units."

Who is correct?

A. Griffin

B. Regina

C. Both Griffing and Regina

D. No one is correct

4

Complete the sentence: The rectangle has _____ of its whole area shaded.

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

B. $\dfrac{1}{3}$

C. $\dfrac{1}{4}$

D. $\dfrac{1}{6}$

5   Solve $6 \times 60 = \square$

Write your answer in the box provided.

> ✏️ Answer

---

6   What number goes in the box to create a true equation?

$\square \times 9 = 72$

Write your answer in the box provided.

> ✏️ Answer

7 Which fraction is larger than $\frac{5}{6}$?

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

B. $\frac{5}{8}$

C. $\frac{5}{4}$

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

8

Animal Shelter Pet Adoptions

Monday	
Tuesday	
Wednesday	

 = 2 pet adoptions

How many more pets were adopted on Tuesday than on Wednesday?

A. 2

B. 3

C. 4

D. 5

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

Jazmin circles the products of 12 in red and shades in the products of 4. Which statements are true? Select the two correct answers.

A. The products of 12 are always even

B. The products of 4 are always odd

C. All products of 12 are also products of 4

D. All products of 4 are also products of 12

E. Half a product of 12 is always a product of 4

---

10 Which equation is equivalent to 4 × 9? Select the **two** correct answers.

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

B. $9 + (3 + 1)$

C. $(2 \times 9) + (2 \times 9)$

D. $4 \times (8 + 1)$

E. $(4 + 2) \times (4 + 7)$

11 Mina puts 38 feet of fencing around her garden.

?   16 ft

Mia's garden

15 ft
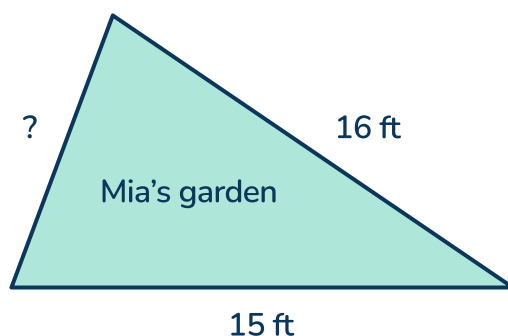
How long, in feet, is the missing side?

Write your answer in the box provided.

✎ Answer

---

12 $7 \times 7 = \triangle$

What is the value of $\triangle$?

Write your answer in the box provided.

✎ Answer

13 What is 671 rounded to the nearest hundred?

      A. 600

      B. 670

      C. 680

      D. 700

14 A bakery has 54 cupcakes. They will be placed into 6 boxes. Each box will have the same number of cupcakes. Which equation can be used to find the number of cupcakes in each box?
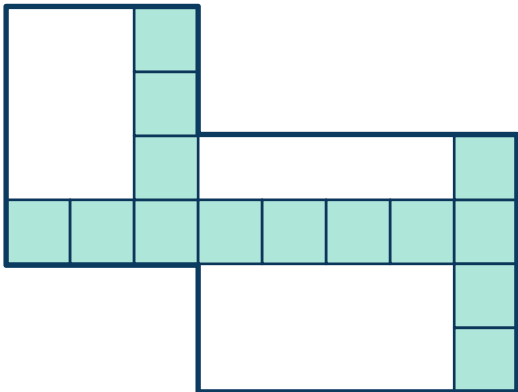
      A. $54 - 6 = ?$

      B. $54 \times 6 = ?$

      C. $54 \div 6 = ?$

      D. $54 + 6 = ?$

15   Rose has square tiles that are the same size. She started covering the shape below with her tiles. She makes sure the tiles do not overlap.

How many tiles will Rose need to cover the entire shape?

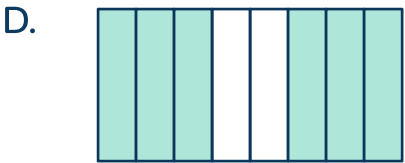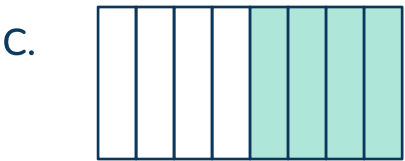Write your answer in the box provided.
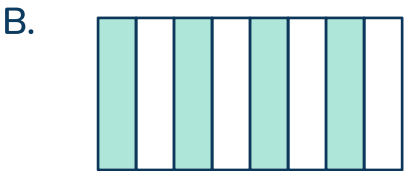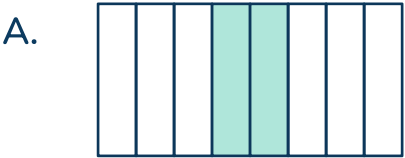
✎ Answer

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16   Which is the best estimate for how much a pair of scissors weighs?

A. 1 gram

B. 150 kilograms

C. 150 grams

D. 1 kilogram

17 Jasper is comparing the shaded area of the shapes.

Which shape makes Jasper's comparison true?
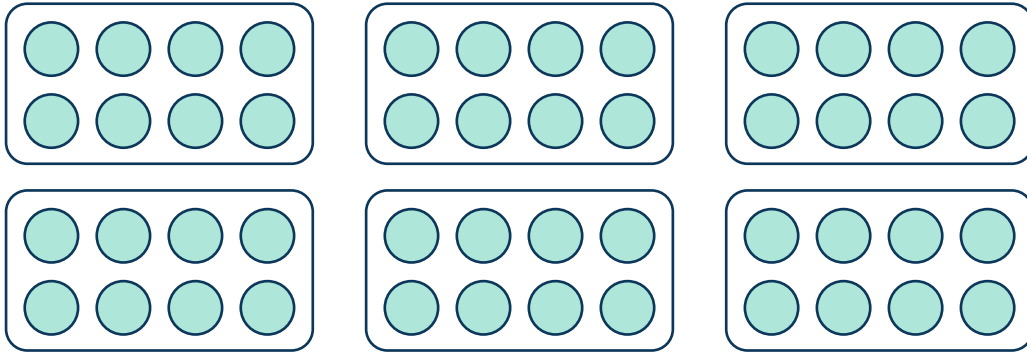
A.

B.

C.

D.

---

18 Solve 562 − 378.

Write your answer in the box provided.

19

Which problems can be solved by using the model above? Choose the **two** correct answers.

A. Jeff scored 8 points and then 6 more points. How many points did she score in total?

B. There are 6 packs of pencils. Each pack has 8 pencils. How many pencils are there in total?

C. There are 48 ounces of blueberries. Each smoothie has 8 ounces of blueberries. How many smoothies can be made?

D. There are 6 plants. Each plant has 48 leaves. How many leaves are there in total?

E. There are 48 books. Each book has 8 pages. How many pages does one book have?

20 How can you arrange 24 pennies in equal rows? Choose the **two** correct answers.

A. 3 rows of 8

B. 10 rows of 2

C. 20 rows of 4

D. 6 rows of 4

E. 12 rows of 12

21 Solve 306 – 168.

Write your answer in the box provided.

🖉 Answer

THIS IS THE END OF SUBPART 1 OF THE MATH PRACTICE TEST.

YOU <u>MAY</u> USE A CALCULATOR IN SUBPART 2 OF THIS TEST.

22

What is the missing value?

A. 0

B. $\dfrac{6}{6}$

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

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

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23 Ezra started riding his bike at the time shown on the clock.

He stopped riding his bike at 1:10.
How many minutes did Ezra ride his bike?

Write your answer in the box provided.
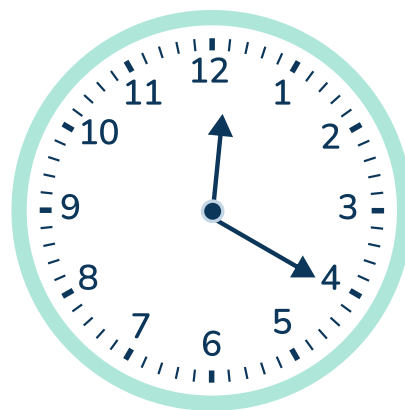
🖉 Answer

24 The shape below is made of square units.

KEY: ☐ = 1 square unit

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

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

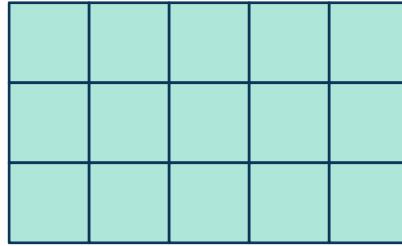**25** Which group of shapes only has quadrilaterals?

A.

B.

C.

D.
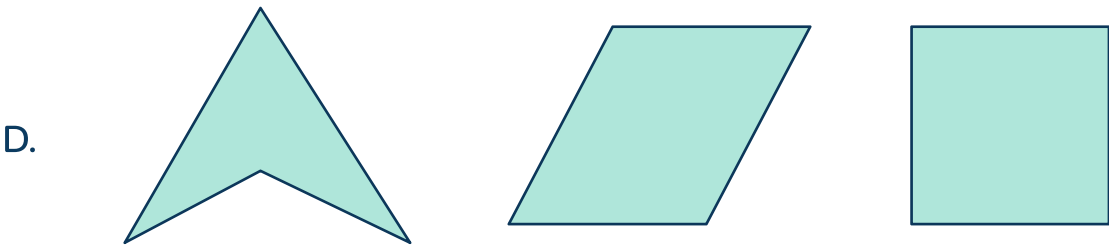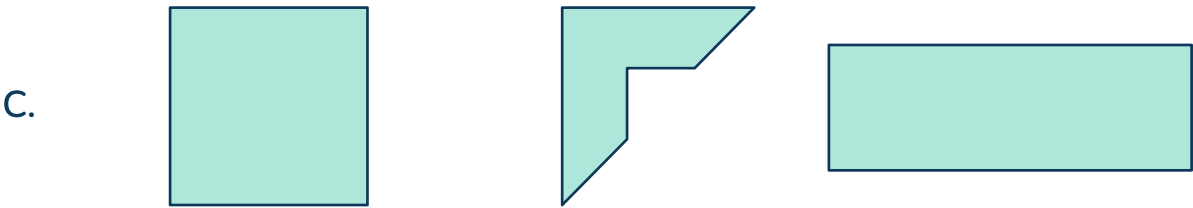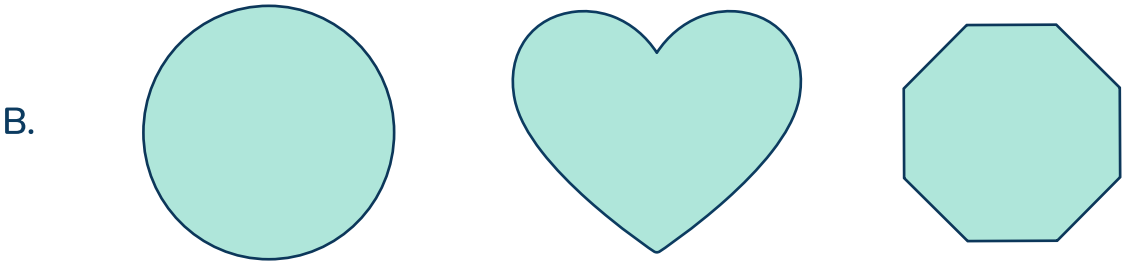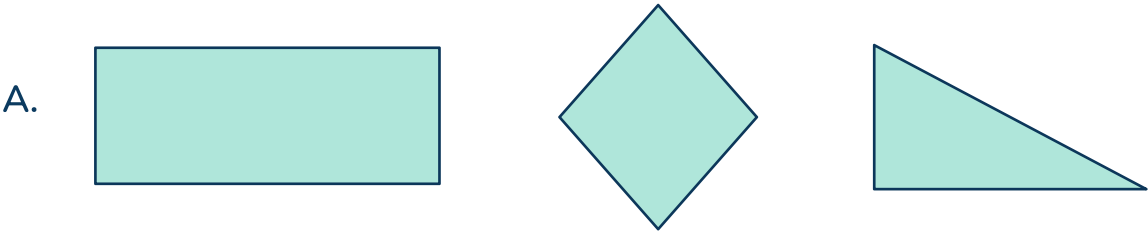
26 Which shapes shows a shaded amount equivalent to $\frac{2}{6}$?

A.

B.

C.

D.

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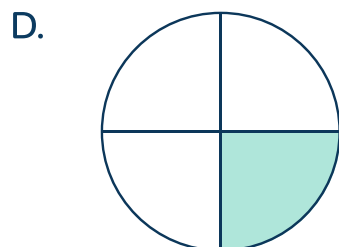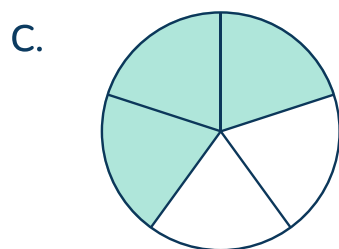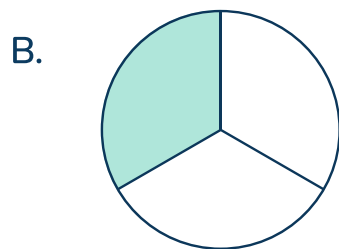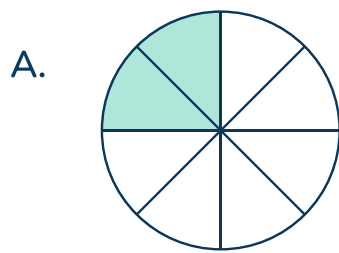
27 Alara is solving ? ÷ 5 = 7. Which equation can help Alara solve?

A. $5 = 7 \div ?$

B. $? = 7 \times 5$

C. $7 \div 5 = ?$

D. $? \times 7 = 5$

28 This week, Emily makes fruit and veggie snack packs.

- She makes 13 snack packs each day, Monday through Thursday.
- On Friday, she makes 18 snack packs.

How many snack packs did Emily make this week?

A. 57 snack packs

B. 31 snack packs

C. 70 snack packs

D. 60 snack packs

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29 Adrian lives on a 1 mile street. Adrian 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 Adrian's house and the park?
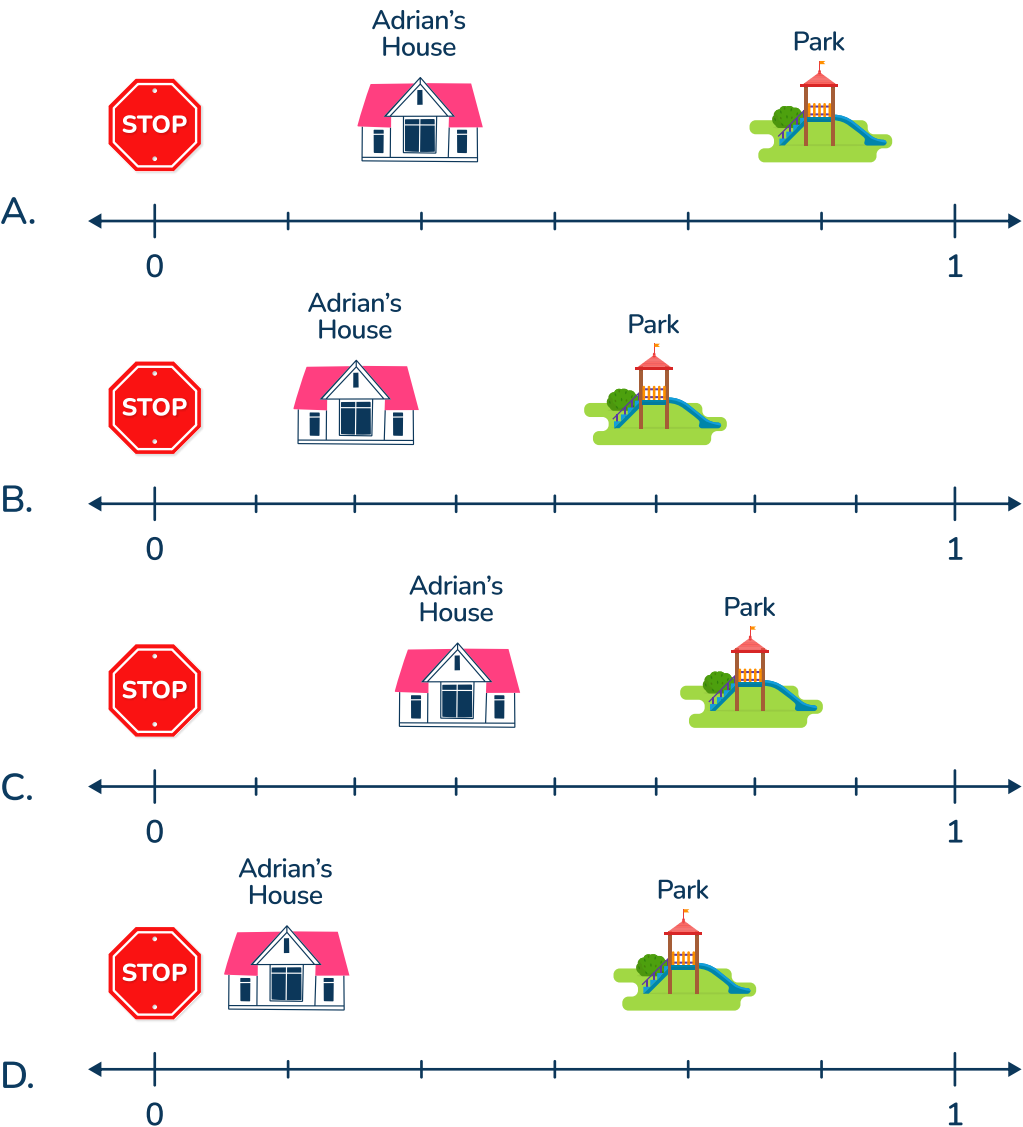
30 Draw a shape with an area of 12 square units on the grid. Then shade the shape in.

KEY: ☐ = 1 square unit
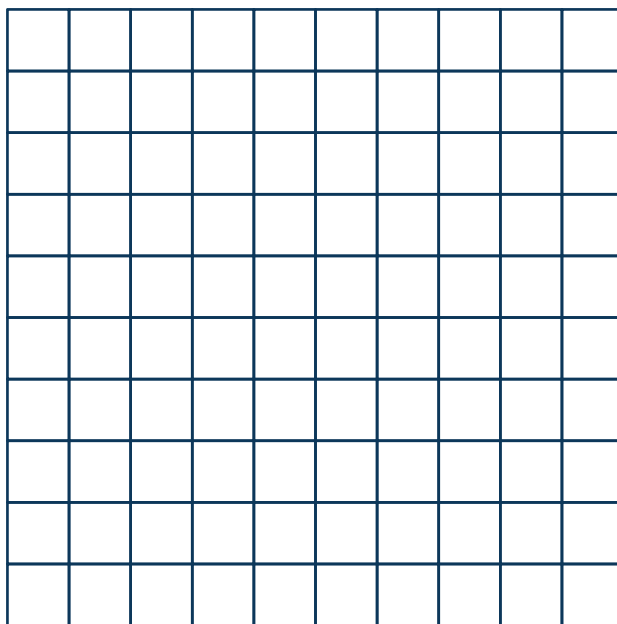
31

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

A. $\frac{5}{8}$

B. $\frac{5}{4}$

C. $\frac{4}{5}$

D. $\frac{8}{5}$

32 Rory measured 5 pencils using a ruler that shows halves and quarters of an inch. These are the lengths of the pencils in inches:

$4\frac{1}{4}, 4\frac{1}{4}, 5, 4\frac{3}{4}, 5\frac{3}{4}$

Which line plot shows the correct pencil lengths?

A.
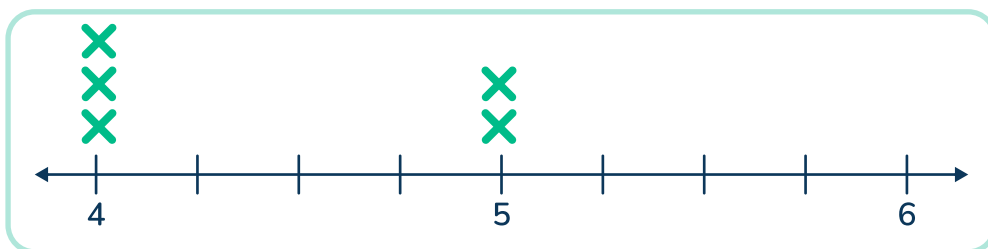
B.
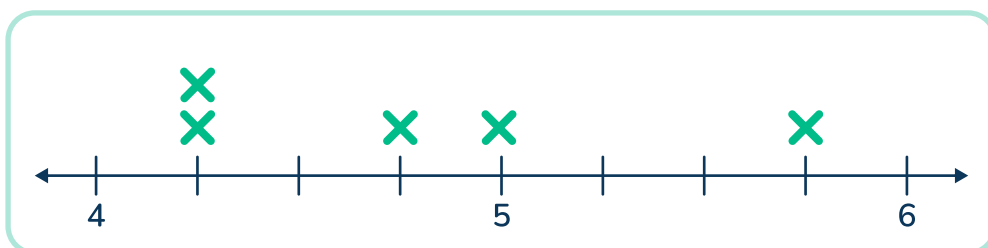
C.
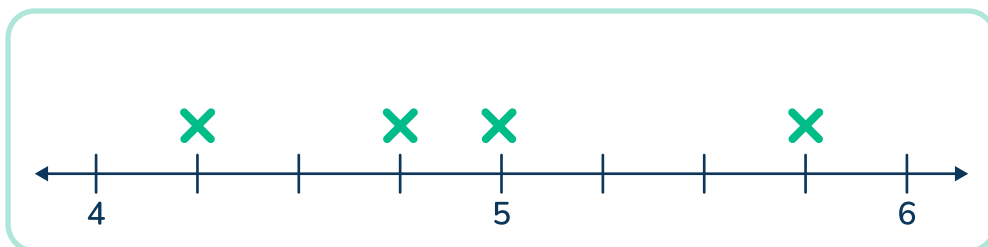
D.
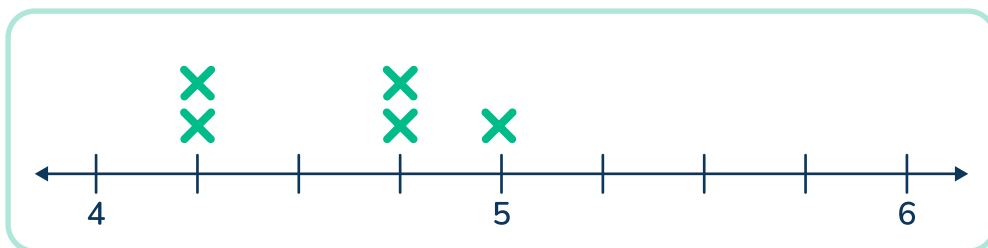
33
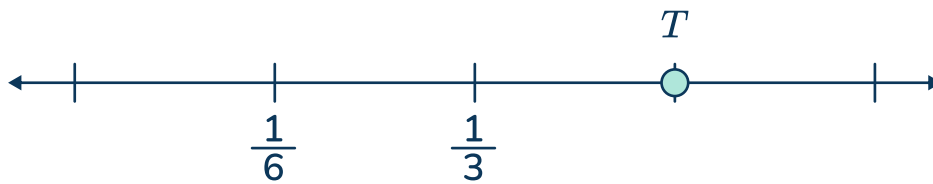
Which fraction shows point M?

A. $\frac{1}{0}$

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

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

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

THIS IS THE END OF SUBPART 2 OF THE MATH PRACTICE TEST.

YOU MAY USE A CALCULATOR IN SUBPART 3 OF THIS TEST.

34 Dallas picks up trash at some beaches.
- Dallas picks up 129 pieces of trash on the first beach.
- Dallas picks up 281 pieces of trash on the second beach.

Harris picks up less 87 pieces than Dallas.

About how many pieces of trash does Harris pick up?

A. 100 pieces of trash

B. 200 pieces of trash

C. 300 pieces of trash

D. 400 pieces of trash

35 Banks reads for 30 minutes. Then Banks eats dinner for 15 minutes.
Banks finishes dinner at 6:15.

Place a point on the number line to show when Banks began reading.

3:00   4:00   5:00   6:00   7:00

36

Myles chose two rectangles with the same perimeter, but different areas. Which two rectangles did Myles choose?

Write your answer in the box provided.

✎ Answer

---

37 Each basket has 6 apples. There are 84 apples in all. How many baskets are there?

Write your answer in the box provided.

✎ Answer

38 Which number line correctly shows the fraction $\frac{1}{6}$?

A.

B.

C.

D.
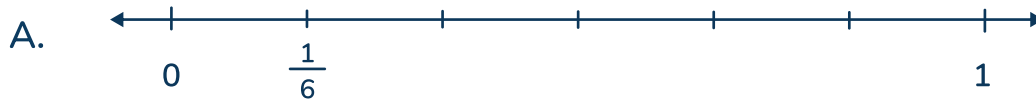
39 Andrés has two bags of cat food.

- One bag has 27 ounces of food.
- The other bag has 45 ounces of food.

Andrés shares the cat food equally with 9 cats.

How many ounces of food can Andrés give each cat?

    A. 9 ounces

    B. 8 ounces

    C. 6 ounces

    D. 2 ounces

---

40 Which real life situation can be shown by $56 \div 7$?

    A. There were 56 cookies. Then Vivek ate 7 cookies.

    B. There were 7 cookies and Vivek made 56 more.

    C. Vivek has 7 bags. He puts 56 cookies equally into the bags.

    D. Vivek made 56 cookies. He made 7 times as many cookies as Cole.

41 Which two fractions belong in the boxes? Choose the **two** correct answers.
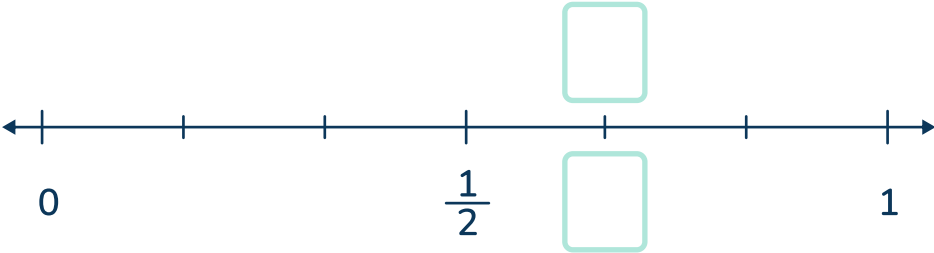
A. $\dfrac{2}{2}$

B. $\dfrac{1}{1}$

C. $\dfrac{5}{2}$

D. $\dfrac{4}{6}$

E. $\dfrac{2}{3}$

---

42 The bar graph shows what pets the students in Marco's class have.
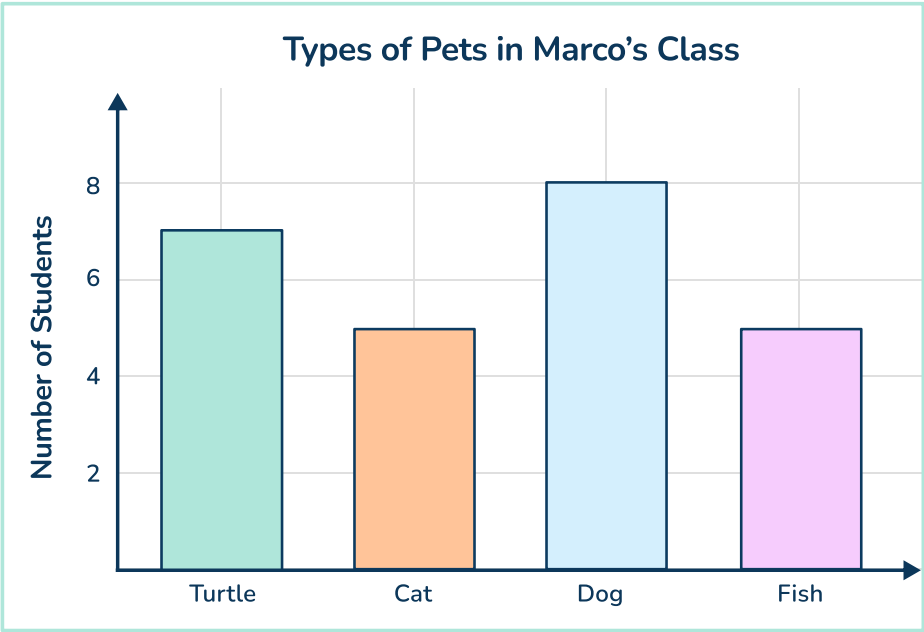
How many **less** fish are there than dogs and cats **combined**?

A. 9

B. 8

C. 7

D. 6

43 Rita is drawing shapes. Some of the shapes are polygons. Some of the shapes are not polygons.

PART A:

Draw a shape that is a polygon in the box provided.

✎ Answer

PART B:

Draw a shape that is **not** a polygon in the box provided.

✎ Answer

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44 The arrow shows the time William's baseball practice starts. His practice ends at 6:30.

3:00   4:00   5:00   6:00   7:00
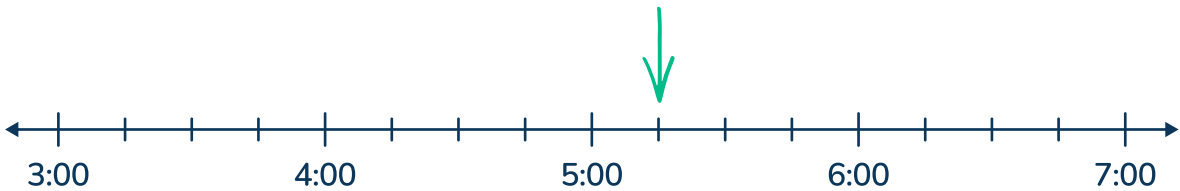
How many minutes is William's baseball practice?

Write your answer in the box provided.

✎ Answer

45 Nova divided a circle into 8 equal parts. Then Nova completely colored in each part.
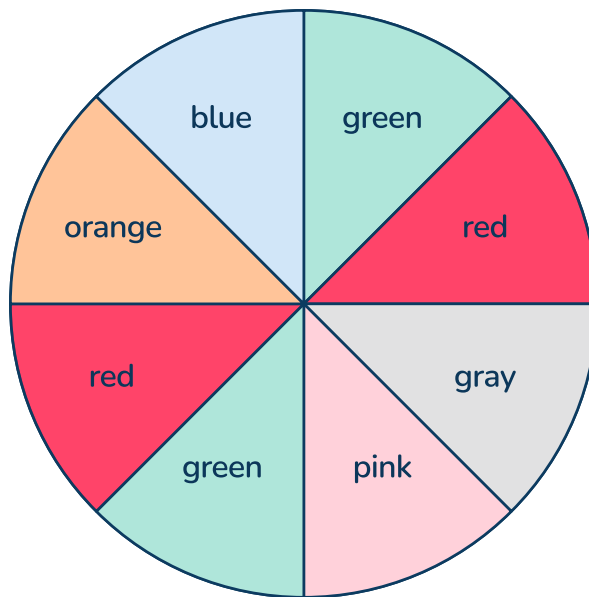
What fraction of the paper is gray?

A. $\dfrac{8}{1}$

B. $\dfrac{7}{1}$

C. $\dfrac{1}{8}$

D. $\dfrac{1}{7}$

THIS IS THE END OF THE TEST.

Answer Key - Multiple Choice

Item number	Correct answer	Standard(s)	DOK
1	C	**3.OA.A.1**	DOK 2
2	A; 45	**3.OA.D.8**	DOK 2
3	C	**3.MD.C.5**	DOK 2
4	D	**3.G.A.2**	DOK 2
5	360	**3.NBT.A.3**	DOK 1
6	8	**3.OA.A.4**	DOK 1
7	C	**3.NF.A.3d**	DOK 1
8	D	**3.MD.B.3**	DOK 2
9	A, C	**3.OA.D.9**	DOK 2
10	C, D	**3.OA.B.5***	DOK 2
11	7	**3.MD.D.8**	DOK 2
12	49	**3.OA.C.7**	DOK 1
13	D	**3.NBT.A.1**	DOK 1
14	C	**3.OA.A.2**	DOK 2
15	32	**3.MD.C.6**	DOK 2
16	C	**3.MD.A.2**	DOK 2
17	D	**3.NF.A.3d**	DOK 2
18	184	**3.NBT.A.2**	DOK 1
19	B, C	**3.OA.B.5**	DOK 2
20	B, D	**3.OA.A.3**	DOK 2

Answer Key - Multiple Choice

Item number	Correct answer	Standard(s)	DOK
21	138	**3.NBT.A.2**	DOK 1
22	B	**3.NF.A.3c**	DOK 1
23	50	**3.MD.A.1**	DOK 2
24	C, D, E	**3.MD.C.7b, 3.MD.C.7d**	DOK 2
25	D	**3.G.A.1**	DOK 1
26	B	**3.NF.A.3b**	DOK 1
27	B	**3.OA.B.6**	DOK 1
28	C	**3.OA.D.8**	DOK 2
29	A	**3.NF.A.2b**	DOK 2
30	Any shape with 12 square units	**3.MD.C.5b**	DOK 2
31	B	**3.NF.A.2b**	DOK 1
32	B	**3.MD.B.4**	DOK 1
33	C	**3.NF.A.2b, 3.NF.A.3b**	DOK 3
34	C	**3.OA.D.8*, 3.NBT.A.2**	DOK 2
35	Point at 5:30	**3.MD.A.1**	DOK 2
36	A, C	**3.MD.D.8**	DOK 2
37	14	**3.OA.A.3**	DOK 1
38	A	**3.NF.A.2a**	DOK 1
39	B	**3.OA.D.8**	DOK 2

Answer Key - Multiple Choice

Item number	Correct answer	Standard(s)	DOK
40	C	**3.OA.A.2**	DOK 1
41	D, E	**3.NF.A.2b, 3.NF.A.3a**	DOK 2
42	B	**3.MD.B.3**	DOK 2
43	Part A's box should be a polygon; Part B's box should not be a polygon	**3.G.A.3**	DOK 2
44	75 minutes	**3.MD.A.1***	DOK 2
45	C	**3.NF.A.1***	DOK 1

ANSWERS SORTED BY REPORTING CATEGORY

"Major work of the grade" standards are indicated with an * Computation with Whole Numbers (3.OA.A, 3.OA.C, 3.NBT.A)			
Item number	Correct answer	Standard(s)	DOK
1	C	3.OA.A.1*	DOK 2
5	360	3.NBT.A.3	DOK 1
6	8	3.OA.A.4	DOK 1
12	49	3.OA.C.7*	DOK 1
13	D	3.NBT.A.1	DOK 1
14	C	3.OA.A.2*	DOK 2
18	184	3.NBT.A.2	DOK 2
19	B, C	3.OA.A.3*	DOK 2
20	A, D	3.OA.A.1*	DOK 1
21	138	3.NBT.A.2	DOK 1
37	14	3.OA.A.3*	DOK 1
40	D	3.OA.A.2*	DOK 1

Fractions (3.NF.A)			
Item number	Correct answer	Standard(s)	DOK
7	C	3.NF.A.3d*	DOK 2
17	D	3.NF.A.3d*	DOK 2
22	B	3.NF.A.3c*	DOK 1
26	B	3.NF.A.3b*	DOK 2
29	A	3.NF.A.2b*	DOK 2
31	B	3.NF.A.2b*	DOK 2
33	C	3.NF.A.2b*, 3.NF.A.3b*	DOK 3
38	A	3.NF.A.2a*	DOK 1
41	D, E	3.NF.A.2b*, 3.NF.A.3a*	DOK 2
45	C	3.NF.A.1*	DOK 1

Number Relationships and Patterns (3.OA.B, 3.OA.D)			
Item number	Correct answer	Standard(s)	DOK
2	A; 45	**3.OA.D.8***	DOK 2
9	A, C	**3.OA.D.9***	DOK 2
10	C, D	**3.OA.B.5***	DOK 2
27	B	**3.OA.B.6***	DOK 1
28	C	**3.OA.D.8***	DOK 2
34	C	**3.OA.D.8*, 3.NBT.A.2**	DOK 2
39	B	**3.OA.D.8***	DOK 2

Tennessee State Practice Math Test | Grade 3 | Answers

	Geometric and Measurement Concepts (3.MD.A, 3.MD.B, 3.MD.C, 3.MD.D, 3.G.A)		
Item number	Correct answer	Standard(s)	DOK
3	C	**3.MD.C.5**	DOK 2
4	D	**3.G.A.2**	DOK 2
8	D	**3.MD.B.3**	DOK 2
11	7	**3.MD.D.8**	DOK 2
15	32	**3.MD.C.6***	DOK 2
16	C	**3.MD.A.2***	DOK 2
23	50	**3.MD.A.1***	DOK 2
24	C, D, E	**3.MD.C.7b*, 3.MD.C.7d***	DOK 2
25	D	**3.G.A.1**	DOK 1
30	Any shape with 12 square units	**3.MD.C.5b***	DOK 2
32	B	**3.MD.B.4**	DOK 1
35	Point at 5:30	**3.MD.A.1***	DOK 2
36	A, C	**3.MD.D.8**	DOK 2
42	B	**3.MD.B.3**	DOK 2
43	Part A's box should be a polygon; Part B's box should not be a polygon	**3.G.A.3**	DOK 2
44	75 minutes	**3.MD.A.1**	DOK 2

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- ✓ Aligned to your state's standard
- ✓ Scaffolded learning to close gaps

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