Summer Math Packet

At-home Summer Practice

4th Grade

1 Drawing quadrilaterals

Draw a quadrilateral.

Draw a trapezoid.

Draw a rectangle that is not a square.

Draw a rhombus that is not a square.

2 Drawing quadrilaterals

Draw a quadrilateral that is not a trapezoid.

Draw a parallelogram that is not a rhombus.

Draw a quadrilateral that is not a parallelogram or a trapezoid.

Draw a rectangle that is also a rhombus. What is another name for this shape?

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5KS

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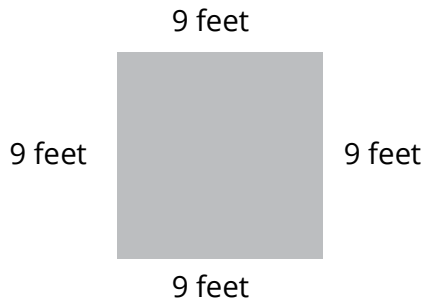
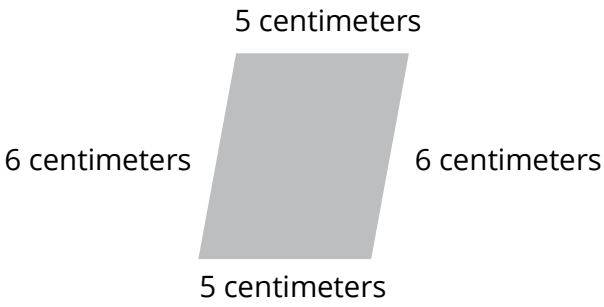
3 Perimeter of shapes

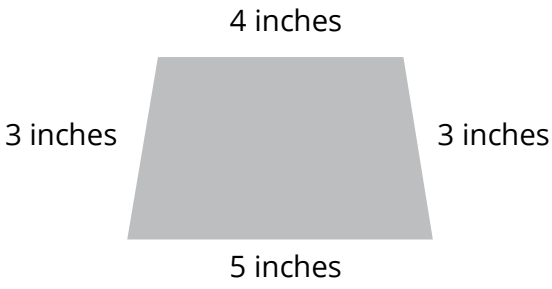
Find the perimeter of each shape.



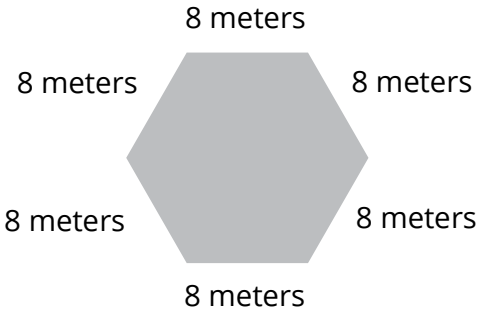
_____ feet



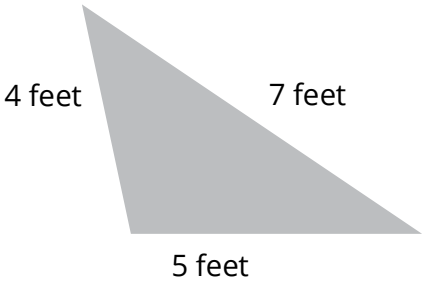
_____ centimeters



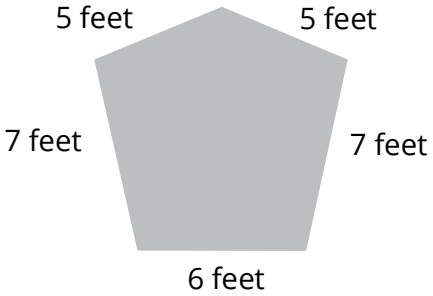
_____ inches



_____ meters



_____ feet



_____ feet

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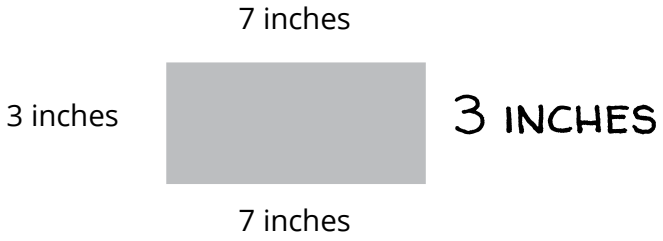
LLY

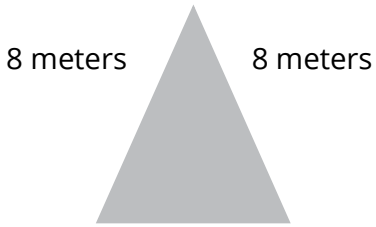
4 Perimeter of shapes

Write the missing side lengths.

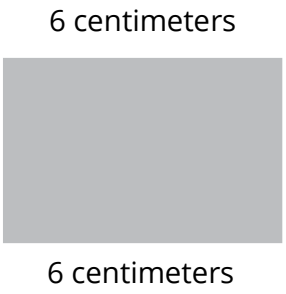


3 INCHES

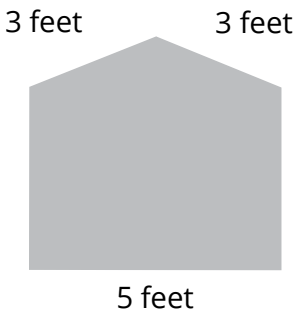
Perimeter = 20 inches



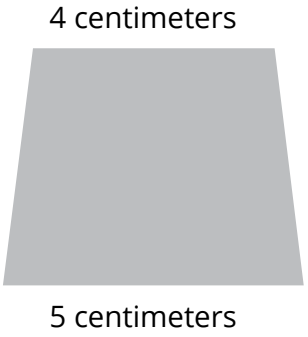
Perimeter = 22 meters



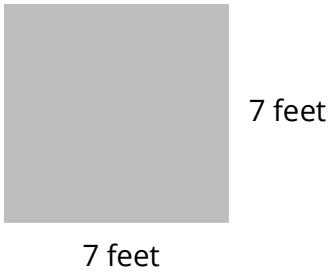
Perimeter = 20 centimeters



Perimeter = 19 feet



Perimeter = 19 centimeters



Perimeter = 28 feet

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T2V

5 Word problems

Answer each question.

The playground at Eastwood Park is shaped like a rectangle. It has a length of 9 yards and a width of 8 yards. What is the perimeter of the playground?

_____ yards

Lucy's bedroom is 9 feet long and 8 feet wide. What is the area of Lucy's bedroom floor?

_____ square feet

Julia has a quilt that is 6 feet long. It covers an area of 24 square feet. How wide is the quilt?

_____ feet

Leona has a rug in her bedroom that is shaped like a hexagon. All of the sides are the same length. If the perimeter of the rug is 18 feet, what is the length of each side?

_____ feet

Jack made a square poster for the Science Fair. The poster was 4 feet wide. What was the perimeter of the poster?

_____ feet

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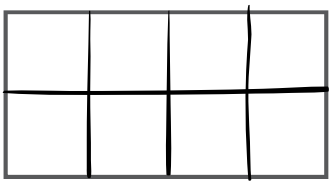
CLD

6 Area of rectangles

Split each shape into unit squares. Write the area.

4 meters

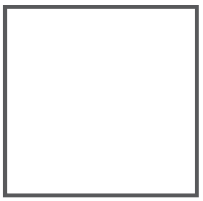
2 meters



8 square meters

3 inches

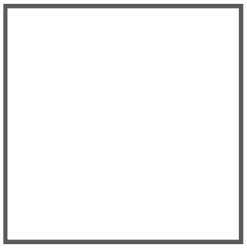
3 inches



_____ square inches

5 inches

5 inches



_____ square inches

6 meters

2 meters

_____ square meters

3 feet

2 feet

_____ square feet

5 feet

3 feet

_____ square feet

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EKK

7 Area of rectangles

Find the area of each shape.

5 inches

4 inches

_____ square inches

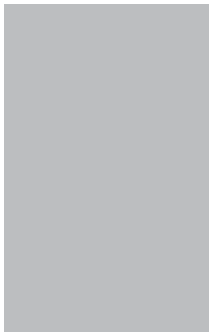
7 meters

4 meters

_____ square meters

5 feet

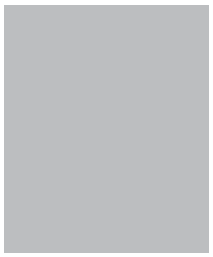
8 feet



_____ square feet

4 feet

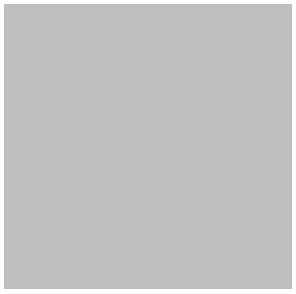
6 feet



_____ square feet

7 yards

7 yards



_____ square yards

9 feet

7 feet

_____ square feet

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8KJ

8 Area of rectangles

Write the missing side length.

6 INCHES

5 inches

Area = 30 square inches

8 meters

Area = 40 square meters

4 yards

Area = 28 square yards

3 feet

Area = 21 square feet

7 feet

Area = 56 square feet

9 feet

Area = 54 square feet

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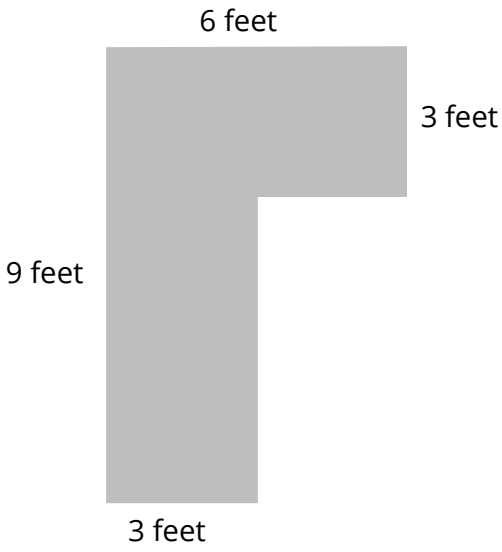
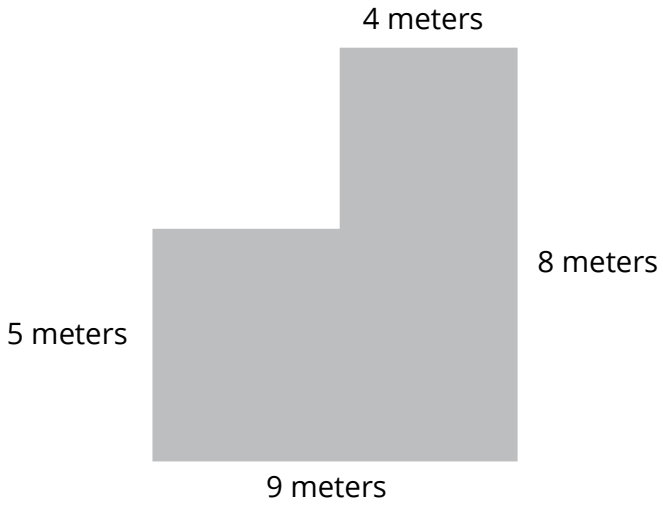
X66

9 Area of rectangles

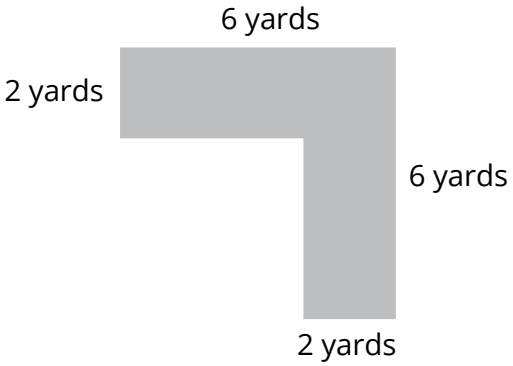
Find the area of each shape.



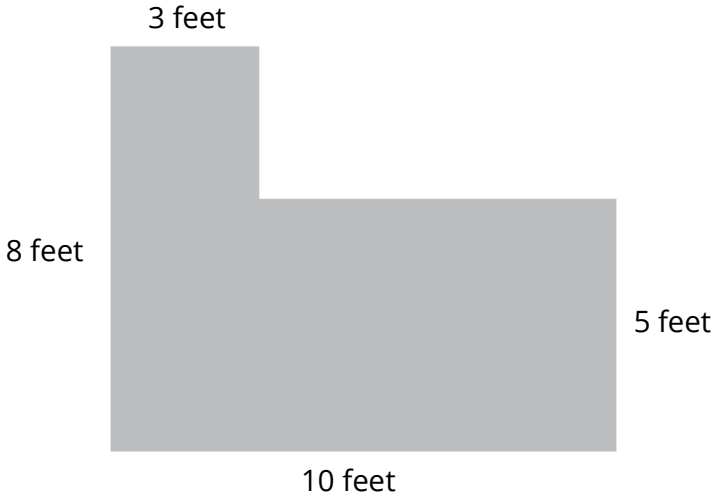
_____ square feet



_____ square meters



_____ square yards



_____ square feet

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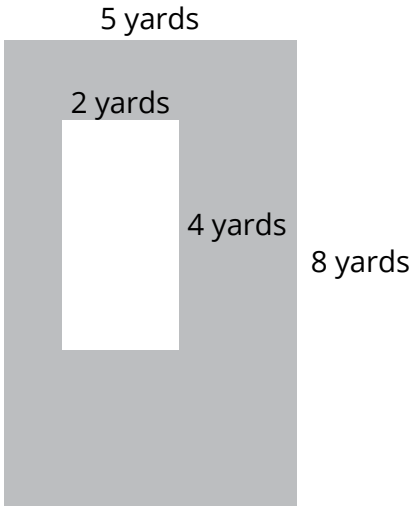
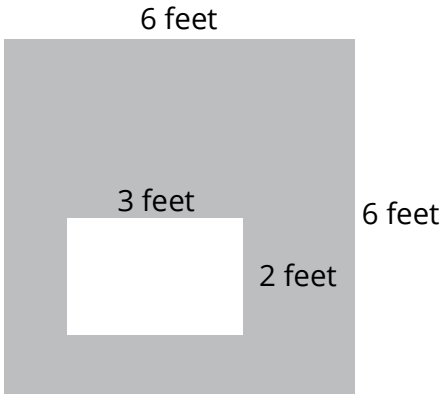
10 Area of rectangles

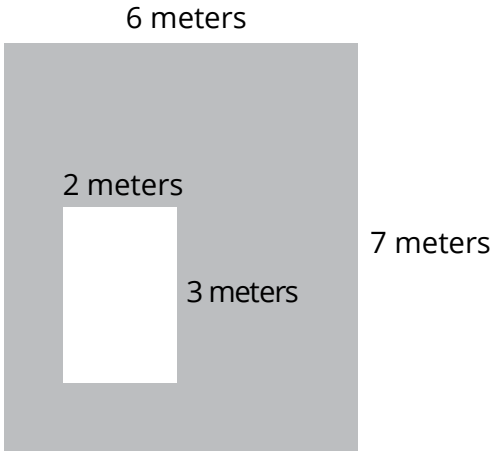
Find the area of each shaded region.



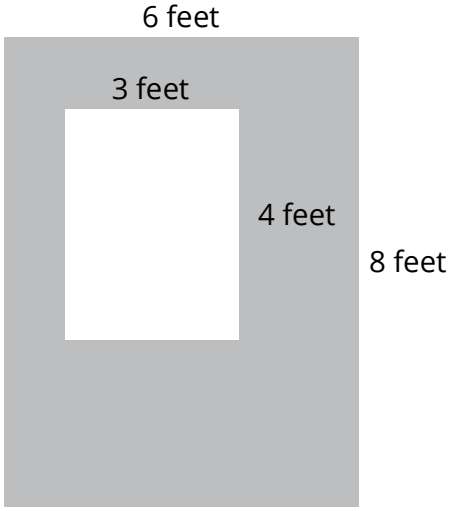
_____ − _____ = _____ square yards



_____ − _____ = _____ square feet



_____ − _____ = _____ square meters



_____ − _____ = _____ square feet

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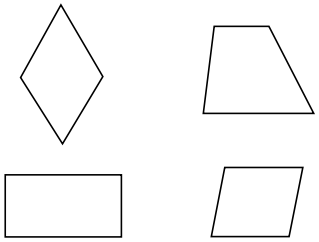
11 Answer key

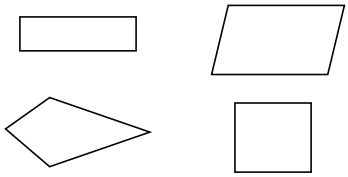
PAGE 1

Answers may vary. Some possible answers are shown below.



PAGE 2

Answers may vary. Some possible answers are shown below.



The last shape is a square.

PAGE 3

36 feet	22 centimeters
15 inches	48 meters
16 feet	30 feet

PAGE 4

3 inches	6 meters
4 centimeters	4 feet
5 centimeters	7 feet

PAGE 5

34 yards

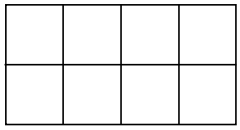
72 square feet

4 feet

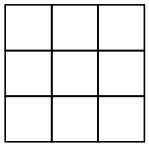
3 feet

16 feet

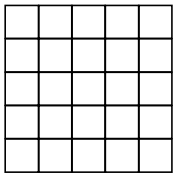
PAGE 6



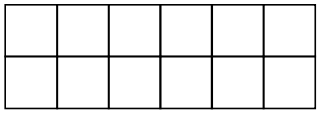
8 square meters



9 square inches

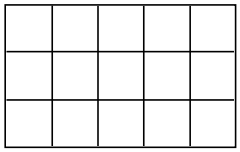


25 square inches



12 square meters

6 square feet



15 square feet

PAGE 7

20 square inches	28 square meters
40 square feet	24 square feet
49 square yards	63 square feet

PAGE 8

6 inches	5 meters
7 yards	7 feet
8 feet	6 feet

PAGE 9

36 square feet	57 square meters
20 square yards	59 square feet

PAGE 10

40 - 8 = 32 square yards

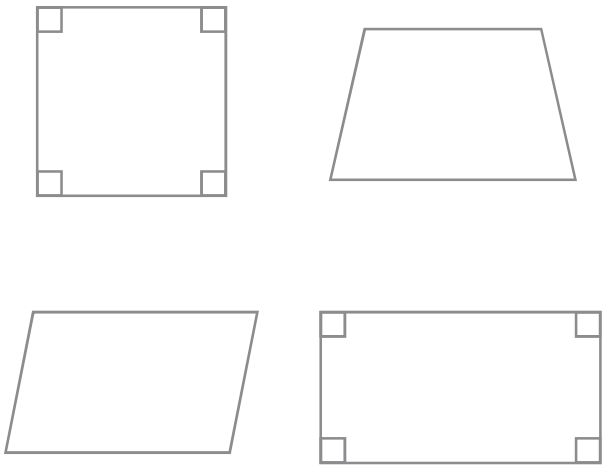
36 - 6 = 30 square feet

42 - 6 = 36 square meters

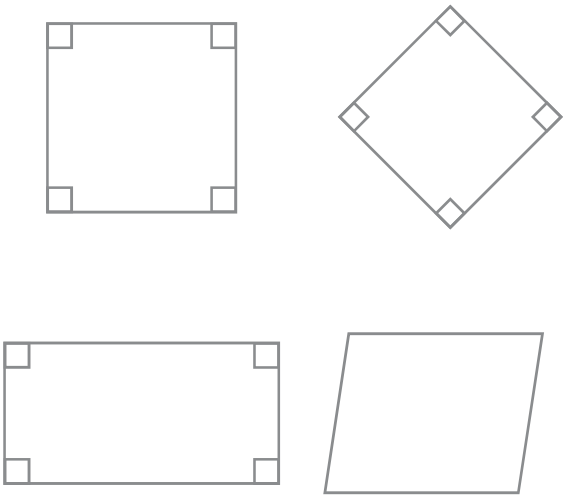
48 - 12 = 36 square feet

1 Classifying quadrilaterals

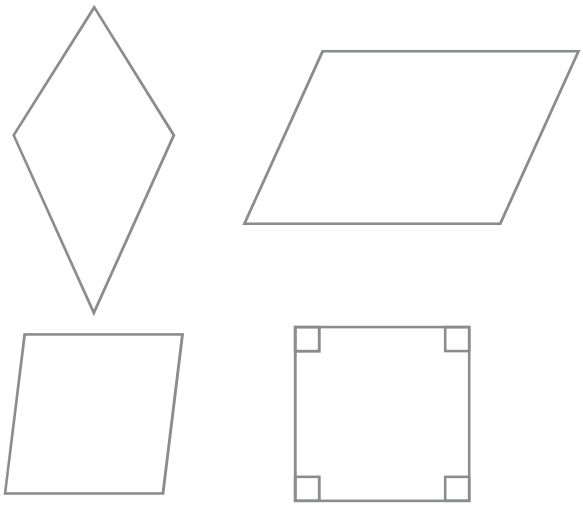
Circle all of the parallelograms.



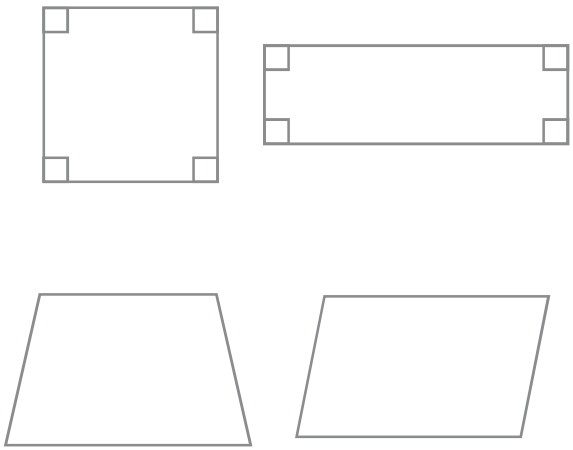
Circle all of the squares.



Circle all of the rhombuses.



Circle all of the rectangles.



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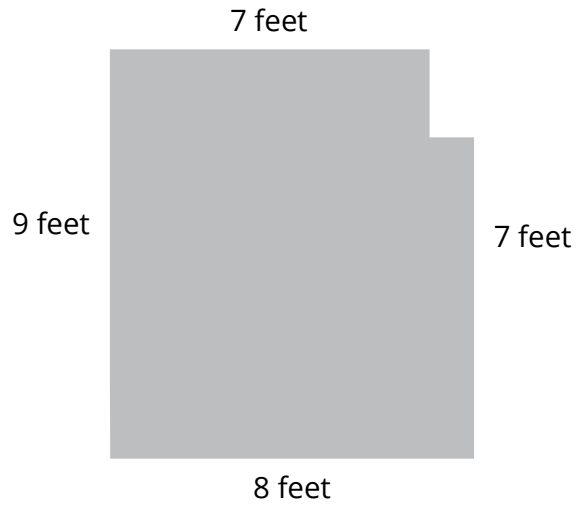
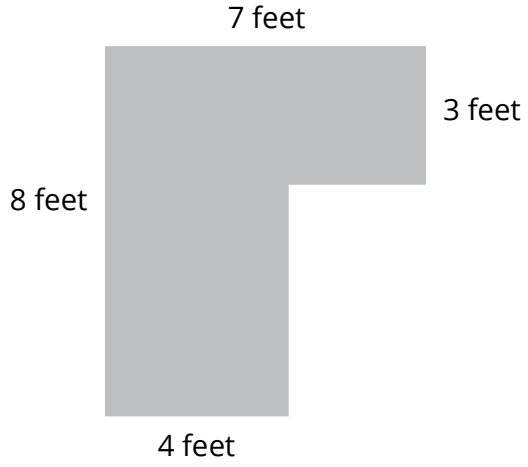
2 Area of rectangles

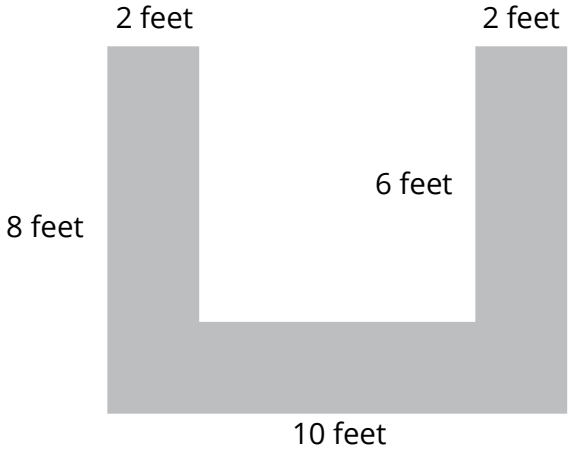
Find the area of each shape.



_____ square feet



_____ square feet



_____ square feet

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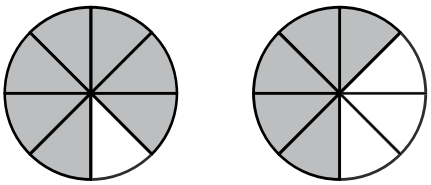
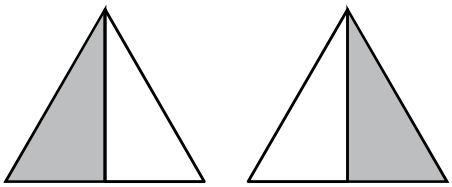
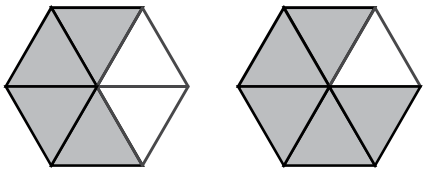
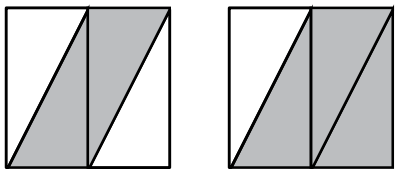
3 Comparing fractions

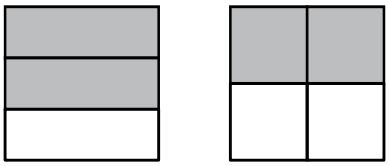
Write each fraction. Fill in each circle with >, <, or =.

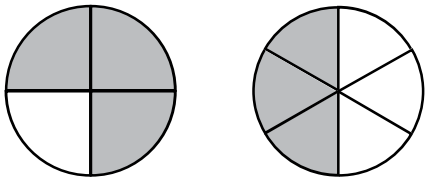


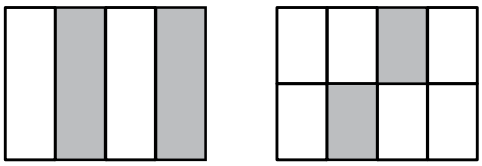












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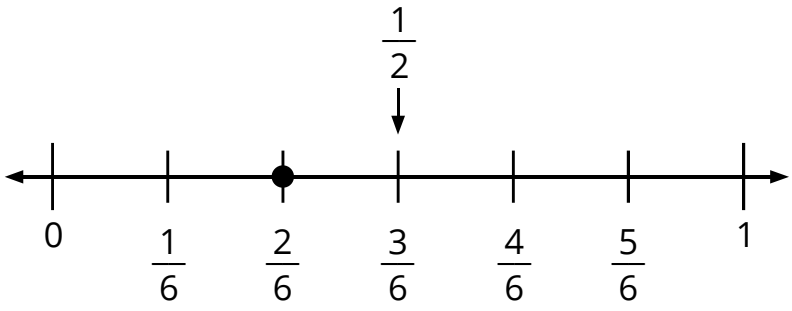
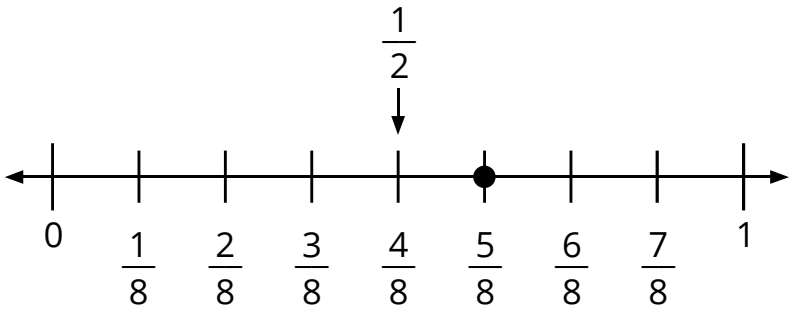
MJ2

4 Comparing fractions

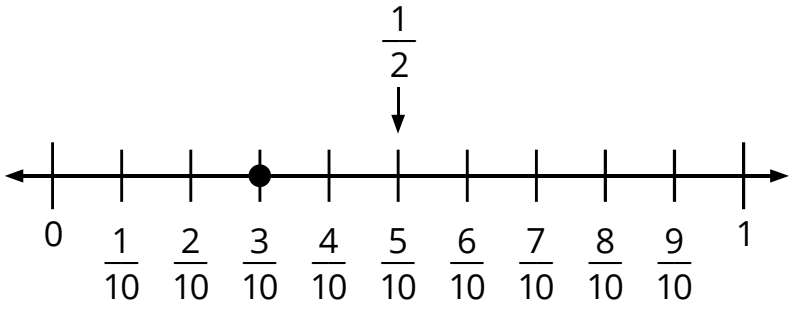
Compare each fraction to $\frac{1}{2}$. Fill in each circle with > or <.



$\frac{2}{6}$ ◯ $\frac{1}{2}$



$\frac{5}{8}$ ◯ $\frac{1}{2}$



$\frac{3}{10}$ ◯ $\frac{1}{2}$

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6H5

5 Comparing fractions

Compare each pair of fractions. Fill in each circle with >, <, or =.

$\frac{1}{6}$ ◯ $\frac{1}{4}$

$\frac{1}{2}$ ◯ $\frac{1}{3}$

$\frac{2}{6}$ ◯ $\frac{3}{6}$

$\frac{3}{4}$ ◯ $\frac{1}{4}$

$\frac{4}{8}$ ◯ $\frac{4}{6}$

$\frac{2}{4}$ ◯ $\frac{2}{3}$

$\frac{2}{3}$ ◯ $\frac{1}{3}$

$\frac{2}{6}$ ◯ $\frac{2}{6}$

Challenge yourself! Write a fraction that makes each statement true.

$\frac{1}{4} < \frac{\quad}{\quad}$

$\frac{2}{6} < \frac{\quad}{\quad}$

$\frac{5}{8} > \frac{\quad}{\quad}$

$\frac{1}{2} > \frac{\quad}{\quad}$

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78D

6 Ordering fractions

Put the fractions in order from least to greatest.

$\frac{2}{4}$	$\frac{1}{4}$	$\frac{3}{4}$	_____	_____	_____
$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$	_____	_____	_____
$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{8}$	_____	_____	_____
$\frac{3}{5}$	$\frac{3}{10}$	$\frac{1}{5}$	_____	_____	_____
$\frac{4}{12}$	$\frac{2}{12}$	$\frac{4}{6}$	_____	_____	_____
$\frac{3}{4}$	$\frac{7}{8}$	$\frac{3}{8}$	_____	_____	_____

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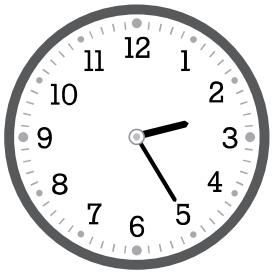
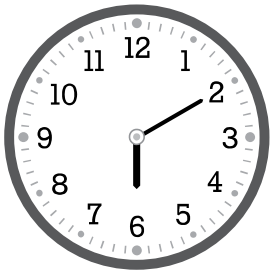
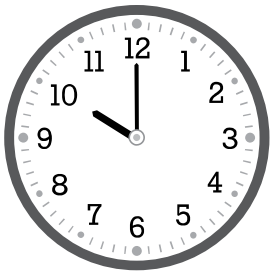
7 Telling time

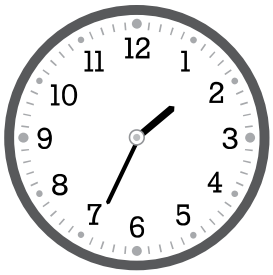
Write the time.

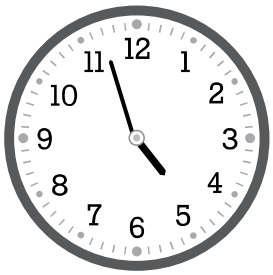


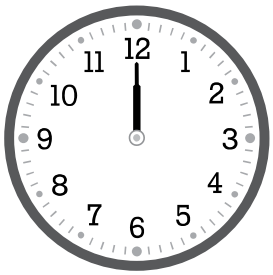
2:25











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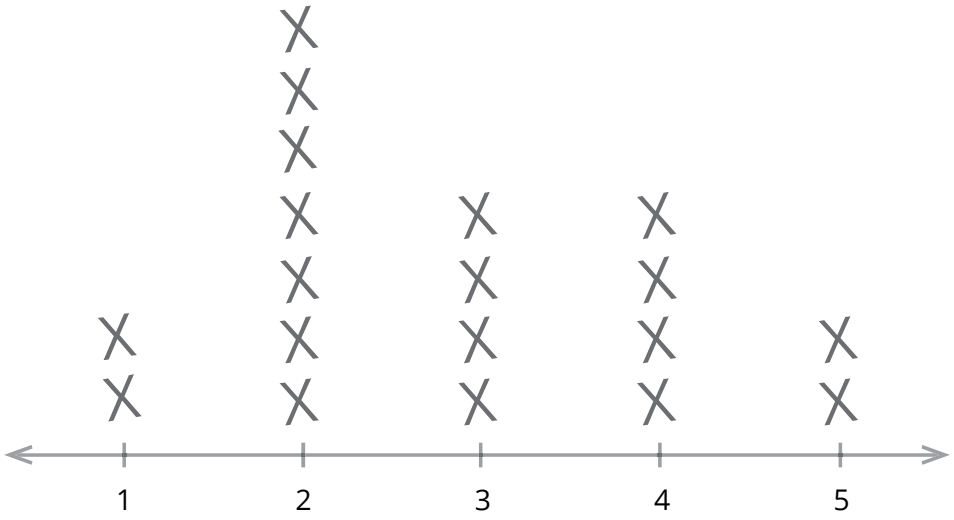
5ZQ

8 Line plots

Beth gives surfing lessons every Saturday. This line plot shows the number of waves each of her students surfed last Saturday.



Answer each question.

How many students surfed exactly 1 wave? _____ students

How many students surfed 3 or more waves? _____ students

What was the highest number of waves any student surfed? _____ waves

What number of waves did the most students surf? _____ waves

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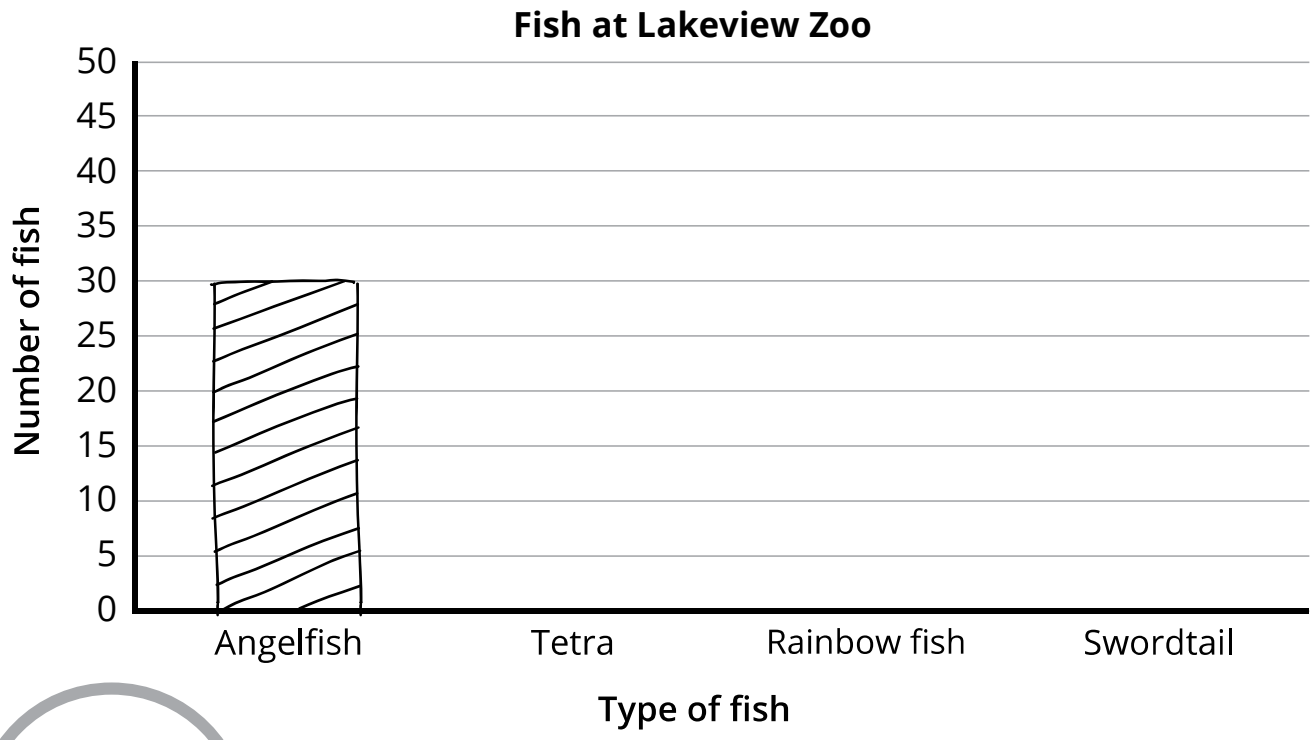
10 Bar graphs

This table shows the number of each type of fish in the freshwater aquarium at Lakeview Zoo.

Type of fish	Number of fish
Angelfish	30
Tetra	15
Rainbow fish	45
Swordtail	20

Use the data in the table to complete the bar graph.



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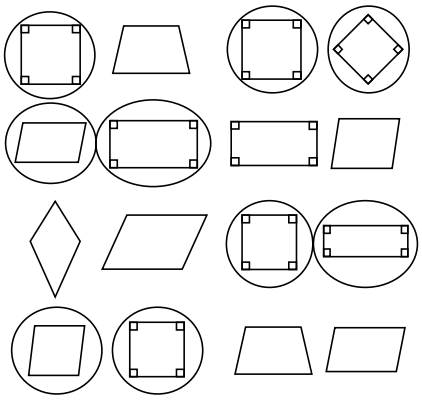
RPF

11 Answer key

PAGE 1



PAGE 2

70 square feet

41 square feet

44 square feet

PAGE 3

$\frac{7}{8} > \frac{5}{8}$ $\quad\quad$ $\frac{1}{2} = \frac{1}{2}$

$\frac{4}{6} < \frac{5}{6}$ $\quad\quad$ $\frac{2}{4} < \frac{3}{4}$

$\frac{2}{3} > \frac{2}{4}$ $\quad\quad$ $\frac{3}{4} > \frac{3}{6}$

$\frac{2}{4} > \frac{2}{8}$

PAGE 4

$\frac{2}{6} < \frac{1}{2}$

$\frac{5}{8} > \frac{1}{2}$

$\frac{3}{10} < \frac{1}{2}$

PAGE 5

$\frac{1}{6} < \frac{1}{4}$ $\quad\quad$ $\frac{1}{2} > \frac{1}{3}$

$\frac{2}{6} < \frac{3}{6}$ $\quad\quad$ $\frac{3}{4} > \frac{1}{4}$

$\frac{4}{8} < \frac{4}{6}$ $\quad\quad$ $\frac{2}{4} < \frac{2}{3}$

$\frac{2}{3} > \frac{1}{3}$ $\quad\quad$ $\frac{2}{6} = \frac{2}{6}$

Answers may vary. Some possible answers are shown below.

$\frac{1}{4} < \frac{2}{4}$ $\quad\quad$ $\frac{2}{6} < \frac{2}{3}$

$\frac{5}{8} > \frac{3}{8}$ $\quad\quad$ $\frac{1}{2} > \frac{1}{4}$

PAGE 6

$\frac{1}{4}$ $\frac{2}{4}$ $\frac{3}{4}$

$\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{2}$

$\frac{1}{8}$ $\frac{3}{8}$ $\frac{1}{2}$

$\frac{1}{5}$ $\frac{3}{10}$ $\frac{3}{5}$

$\frac{2}{12}$ $\frac{4}{12}$ $\frac{4}{6}$

$\frac{3}{8}$ $\frac{3}{4}$ $\frac{7}{8}$

PAGE 7

2:25 $\quad$ 6:10

10:00 $\quad$ 1:34

4:57 $\quad$ 12:00

PAGE 8

2 students

10 students

5 waves

2 waves

PAGE 9

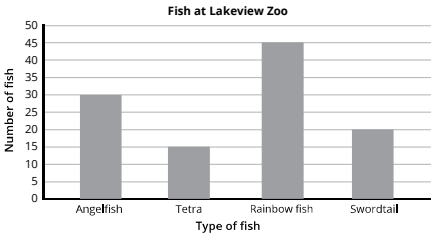
15 days

10 days

10 days

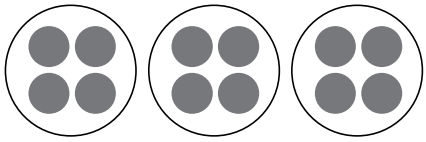
90 days

PAGE 10



1 Modeling multiplication

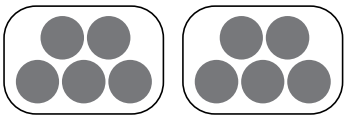
Fill in the blanks. Follow the example.



4 + 4 + 4 = 12

3 groups of 4 = 12

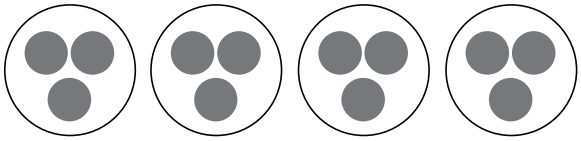
3 × 4 = 12



____ + ____ = ____

____ groups of ____ = ____

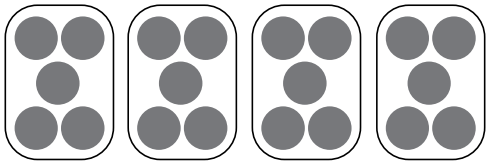
____ × ____ = ____



____ + ____ + ____ + ____ = ____

____ groups of ____ = ____

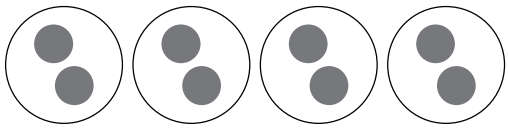
____ × ____ = ____



____ + ____ + ____ + ____ = ____

____ groups of ____ = ____

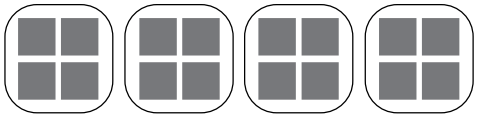
____ × ____ = ____



____ + ____ + ____ + ____ = ____

____ groups of ____ = ____

____ × ____ = ____



____ + ____ + ____ + ____ = ____

____ groups of ____ = ____

____ × ____ = ____

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2 Multiplication facts

Multiply.

6 × 3 = _____	3 × 8 = _____	2 × 3 = _____
4 × 2 = _____	3 × 4 = _____	3 × 10 = _____
5 × 4 = _____	6 × 6 = _____	9 × 3 = _____
2 × 8 = _____	8 × 5 = _____	4 × 7 = _____
7 × 10 = _____	7 × 7 = _____	8 × 6 = _____
9 × 6 = _____	3 × 7 = _____	4 × 9 = _____
7 × 9 = _____	5 × 6 = _____	7 × 8 = _____

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3 Division facts

Divide.

25 ÷ 5 = _____	21 ÷ 7 = _____	24 ÷ 3 = _____
42 ÷ 6 = _____	32 ÷ 8 = _____	15 ÷ 3 = _____
24 ÷ 4 = _____	55 ÷ 11 = _____	63 ÷ 7 = _____
30 ÷ 6 = _____	64 ÷ 8 = _____	45 ÷ 9 = _____
72 ÷ 12 = _____	16 ÷ 2 = _____	56 ÷ 7 = _____
35 ÷ 5 = _____	27 ÷ 3 = _____	36 ÷ 6 = _____
81 ÷ 9 = _____	70 ÷ 7 = _____	28 ÷ 7 = _____

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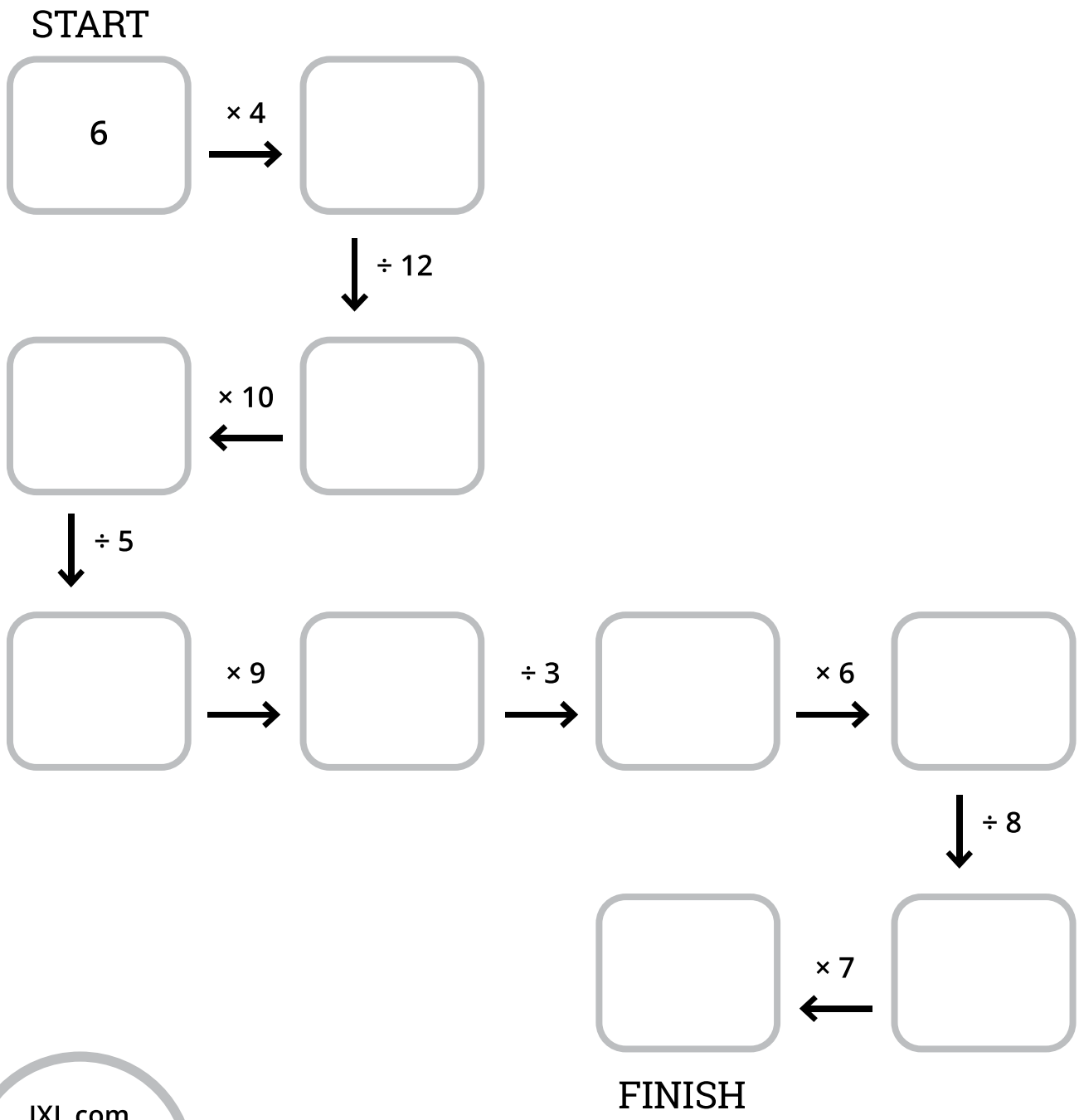
4 Multiplying and dividing

Write the missing numbers.



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5 Mixed operations

Write the missing numbers.

_____ × 11 = 22	5 + _____ = 15	_____ ÷ 6 = 12
11 − 7 = _____	4 × _____ = 16	7 + 5 = _____
9 + _____ = 17	_____ − 7 = 5	18 ÷ _____ = 3
_____ × 9 = 36	49 ÷ 7 = _____	_____ − 6 = 4
6 + _____ = 12	_____ ÷ 6 = 8	3 × 3 = _____
_____ × 5 = 40	20 − _____ = 10	44 ÷ 11 = _____
45 + 9 = _____	_____ ÷ 3 = 7	18 − 2 = _____
_____ − 12 = 36	7 × 7 = _____	_____ ÷ 10 = 10

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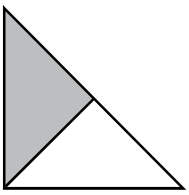
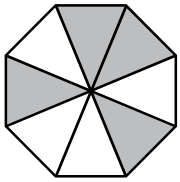
6 Understanding fractions

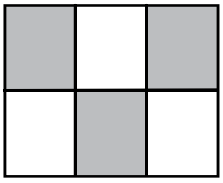
Write the fraction shown.



_____



_____



_____

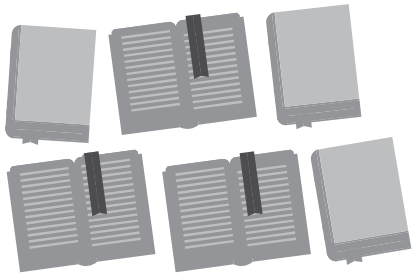
What fraction of the mugs have a smiley face?

_____

What fraction of the ice cream cones have melted?

_____

What fraction of the books are open?



_____

Write the fraction shown.

_____

_____

7 Understanding fractions

Show each fraction on the number line.

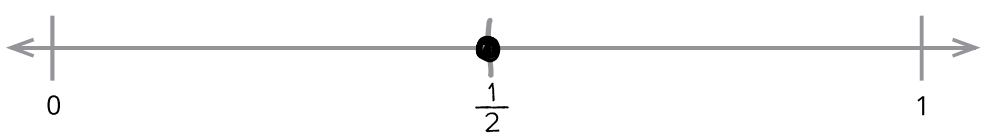
$\frac{1}{3}$

$\frac{2}{6}$

$\frac{3}{4}$

Show each fraction on the number line.

$\frac{1}{2}$



$\frac{2}{3}$

$\frac{4}{6}$

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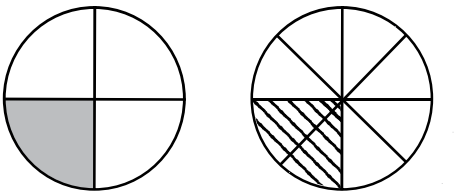
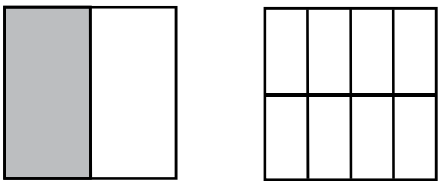
8 Equivalent fractions

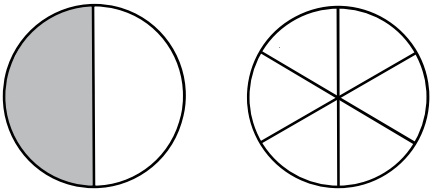
Shade in the equivalent fraction. Write the new fraction.



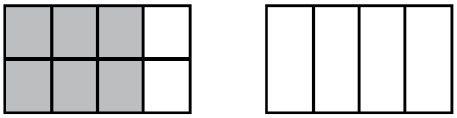
$\frac{1}{4} = \frac{2}{8}$



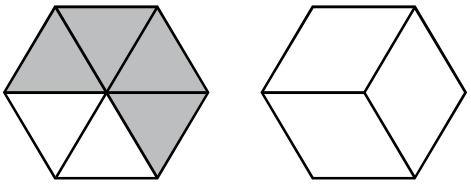
$\frac{1}{2} = \_\_\_\_$



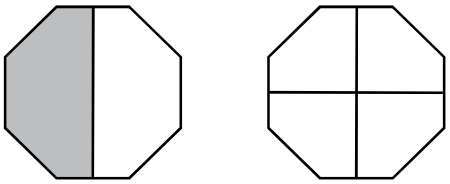
$\frac{1}{2} = \_\_\_\_$



$\frac{6}{8} = \_\_\_\_$



$\frac{4}{6} = \_\_\_\_$



$\frac{1}{2} = \_\_\_\_$

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ZJ2

9 Area of rectangles

Find the area of each shape.

5 meters

2 meters

_____ square meters

6 inches

5 inches

_____ square inches

6 yards

6 yards

_____ square yards

7 feet

9 feet

_____ square feet

4 feet

6 feet

_____ square feet

7 feet

3 feet

_____ square feet

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10 Area of rectangles

Write the missing side lengths.

5 INCHES

4 inches

Area = 20 square inches

4 meters

Area = 12 square meters

6 feet

Area = 42 square feet

3 yards

Area = 24 square yards

4 feet

Area = 28 square feet

9 feet

Area = 36 square feet

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X66

11 Answer key

PAGE 1

4 + 4 + 4 = 12
3 groups of 4 = 12
3 × 4 = 12

5 + 5 = 10
2 groups of 5 = 10
2 × 5 = 10

3 + 3 + 3 + 3 = 12
4 groups of 3 = 12
4 × 3 = 12

5 + 5 + 5 + 5 = 20
4 groups of 5 = 20
4 × 5 = 20

2 + 2 + 2 + 2 = 8
4 groups of 2 = 8
4 × 2 = 8

4 + 4 + 4 + 4 = 16
4 groups of 4 = 16
4 × 4 = 16

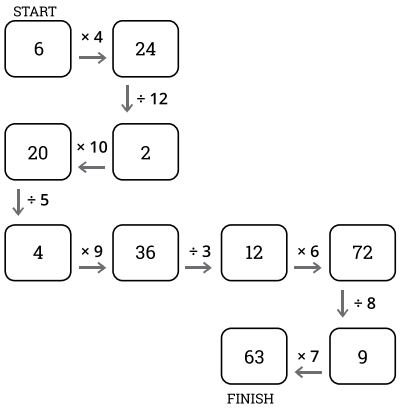
PAGE 2

6 × 3 = 18	3 × 8 = 24	2 × 3 = 6
4 × 2 = 8	3 × 4 = 12	3 × 10 = 30
5 × 4 = 20	6 × 6 = 36	9 × 3 = 27
2 × 8 = 16	8 × 5 = 40	4 × 7 = 28
7 × 10 = 70	7 × 7 = 49	8 × 6 = 48
9 × 6 = 54	3 × 7 = 21	4 × 9 = 36
7 × 9 = 63	5 × 6 = 30	7 × 8 = 56

PAGE 3

25 ÷ 5 = 5	21 ÷ 7 = 3	24 ÷ 3 = 8
42 ÷ 6 = 7	32 ÷ 8 = 4	15 ÷ 3 = 5
24 ÷ 4 = 6	55 ÷ 11 = 5	63 ÷ 7 = 9
30 ÷ 6 = 5	64 ÷ 8 = 8	45 ÷ 9 = 5
72 ÷ 12 = 6	16 ÷ 2 = 8	56 ÷ 7 = 8
35 ÷ 5 = 7	27 ÷ 3 = 9	36 ÷ 6 = 6
81 ÷ 9 = 9	70 ÷ 7 = 10	28 ÷ 7 = 4

PAGE 4



PAGE 5

2 × 11 = 22	5 + 10 = 15	72 ÷ 6 = 12
11 − 7 = 4	4 × 4 = 16	7 + 5 = 12
9 + 8 = 17	12 − 7 = 5	18 ÷ 6 = 3
4 × 9 = 36	49 ÷ 7 = 7	10 − 6 = 4
6 + 6 = 12	48 ÷ 6 = 8	3 × 3 = 9
8 × 5 = 40	20 − 10 = 10	44 ÷ 11 = 4
45 + 9 = 54	21 ÷ 3 = 7	18 − 2 = 16
48 − 12 = 36	7 × 7 = 49	100 ÷ 10 = 10

PAGE 6

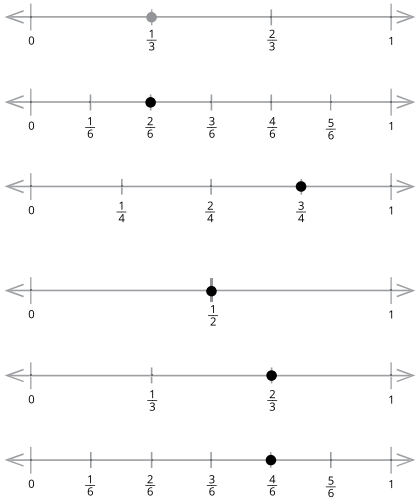
$\frac{1}{2}$ $\frac{4}{8}$ $\frac{3}{6}$

$\frac{1}{4}$ $\frac{2}{3}$ $\frac{3}{6}$

$\frac{2}{6}$

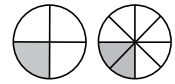
$\frac{1}{4}$

PAGE 7

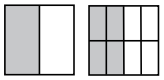


PAGE 8

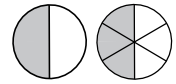
Shading patterns may vary. Some possible answers are shown below.



$\frac{1}{4} = \frac{2}{8}$

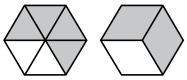


$\frac{1}{2} = \frac{4}{8}$

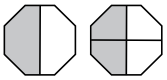


$\frac{1}{2} = \frac{3}{6}$

$\frac{6}{8} = \frac{3}{4}$



$\frac{4}{6} = \frac{2}{3}$



$\frac{1}{2} = \frac{2}{4}$

PAGE 9

10 square meters	30 square inches
36 square yards	63 square feet
24 square feet	21 square feet

PAGE 10

5 inches	3 meters
7 feet	8 yards
7 feet	4 feet