

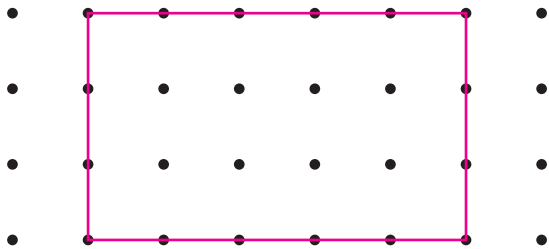
5-1 Homework

Name _____

Date _____

Draw each rectangle on the dot paper. Find the perimeter and area.

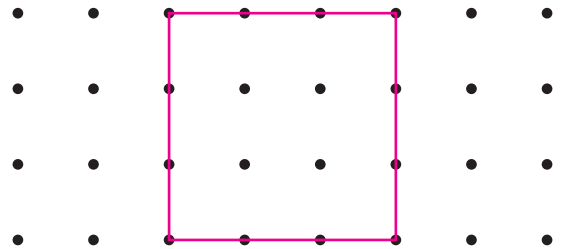
- 1 A rectangle 5 cm long and 3 cm wide



Perimeter = 16 cm

Area = 15 sq cm

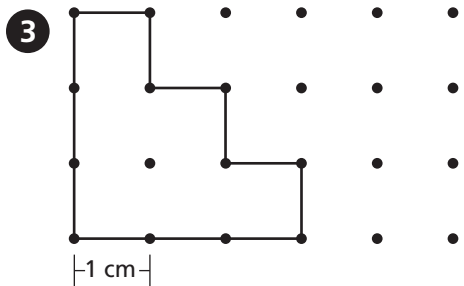
- 2 A rectangle 3 cm long and 3 cm wide



Perimeter = 12 cm

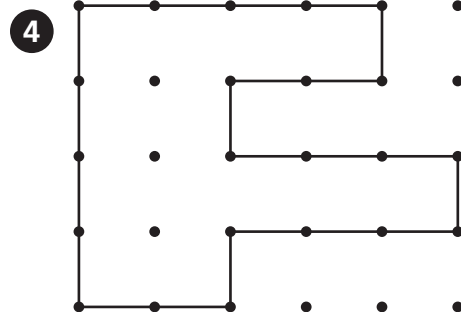
Area = 9 sq cm

Find the perimeter and area of each figure. Remember to include the correct units in your answers.



Perimeter = 12 cm

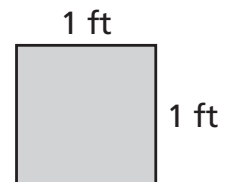
Area = 6 sq cm



Perimeter = 22 cm

Area = 13 sq cm

- 5 Harvey wants to paint one wall in his room with squares of different colors. He wants the sides of each square to measure 1 foot. He does not want to repeat any color. The wall is 8 feet high and 10 feet long. How many different colors does Harvey need?

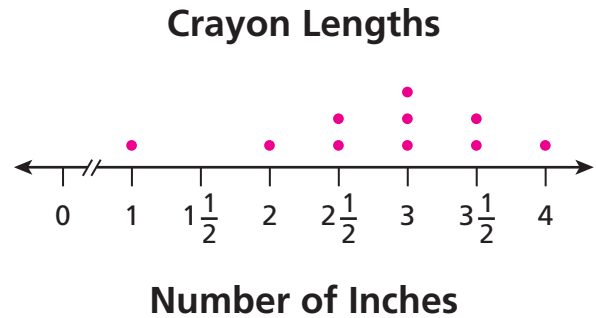


80 different colors

Use the data to make a line plot.

1

Crayon Lengths in Inches			
Tony	$3\frac{1}{2}$	Ellen	$2\frac{1}{2}$
Rocky	1	Alea	3
Joanna	$2\frac{1}{2}$	Paul	$3\frac{1}{2}$
Trisha	2	Chun	3
Kobe	3	Kurt	4



Use the data displays to answer the questions.

- 2 Which length appears most often? 3 inches
- 3 What is the length of the shortest crayon? 1 inch
- 4 What is the differences in length between the shortest and longest crayons? 3 inches

Write the unit fractions for the whole. Next, shade the correct number of parts. Then show the shaded fraction as a sum of unit fractions.

5

Divide the whole into 4 equal parts.

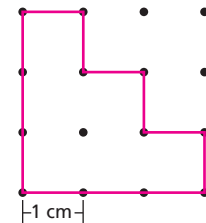
$$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$$

Shade 3 parts.

$$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$$

- 6 **Stretch Your Thinking** Draw a shape that has a perimeter of 12 cm and an area of 6 sq cm.

Check student's drawing. Possible drawing is shown.

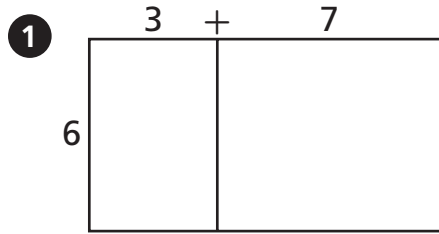


5-2 Homework

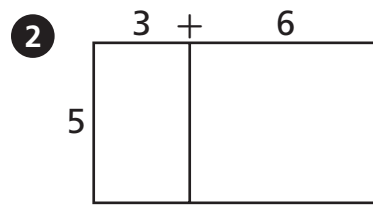
Name _____

Date _____

Write an equation for the area of each rectangle.

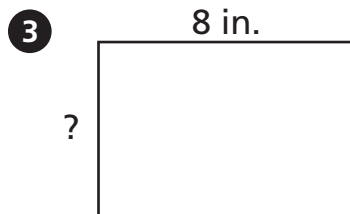


$$(6 \times 3) + (6 \times 7) = 6 \times 10$$



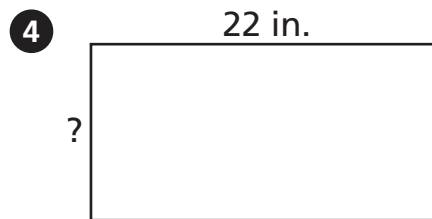
$$(5 \times 3) + (5 \times 6) = 5 \times 9$$

Find the unknown side length in each diagram.



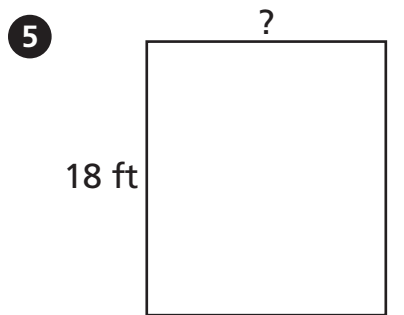
Area = 56 sq in.

7 in.



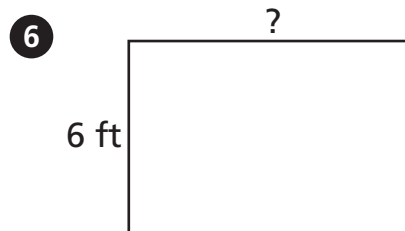
Perimeter = 66 in.

11 in.



Perimeter = 50 ft

7 ft



Area = 54 sq ft

9 ft

Solve.

- ⑦ Sarah is lining a square tray with 1 inch square tiles. The side length of the tray is 9 inches. How many tiles does Sarah need?

81 tiles

- ⑧ Mark is gluing a ribbon around the sides of a picture frame. The frame is 11 inches long and 7 inches wide. How much ribbon does Mark need?

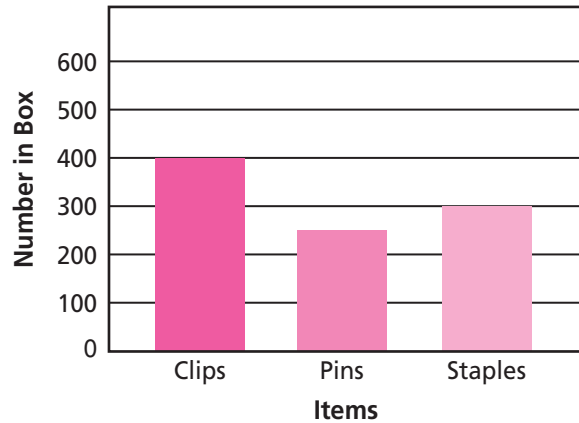
36 inches

Use the information in this table to make a vertical bar graph.

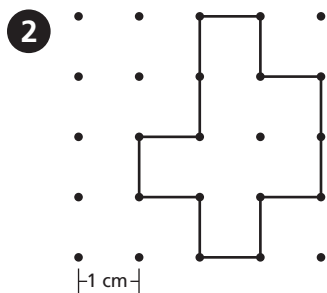
1 Office Supplies

Items	Number in Box
Clips	400
Pins	250
Staples	300

Office Supplies

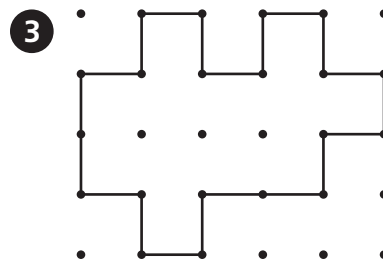


Find the perimeter and area of each figure.
Remember to include the correct units in your answers.



Perimeter = 14 cm

Area = 7 sq cm



Perimeter = 20 cm

Area = 12 sq cm

4 **Stretch Your Thinking** Fill in the unknown numbers. Explain how you solved.

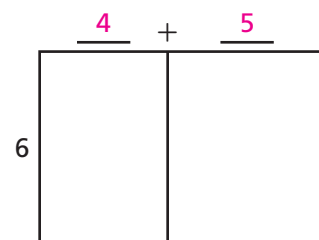
Possible answer: The area is 54 sq cm. The

length times the width equals 54. I know

$54 \div 6 = 9$, so the numbers on top must

be addends of 9. The line divides the

rectangle near the middle, so I chose 4 and 5.



Area = 54 sq cm

5-3 Homework

Name _____

Date _____

Complete.

- 1 On a centimeter dot grid, draw all possible rectangles with a perimeter of 16 cm and sides whose lengths are whole centimeters. Label the lengths of two adjacent sides of each rectangle.

Rectangles with Perimeter 16 cm	
Lengths of Two Adjacent Sides	Area
1 cm and 7 cm	7 sq cm
2 cm and 6 cm	12 sq cm
3 cm and 5 cm	15 sq cm
4 cm and 4 cm	16 sq cm

- 2 Find and label the area of each rectangle. Then complete the table.
- 3 Compare the shapes of the rectangles with the least and greatest areas.

Possible answer: The rectangle with the least area is long and skinny; the rectangle with the greatest area is a square.

- 4 On a centimeter dot grid, draw all possible rectangles with an area of 16 sq cm and sides whose lengths are whole centimeters. Label the lengths of two adjacent sides of each rectangle.

Rectangles with Area 16 sq cm	
Lengths of Two Adjacent Sides	Perimeter
1 cm and 16 cm	34 cm
2 cm and 8 cm	20 cm
4 cm and 4 cm	16 cm

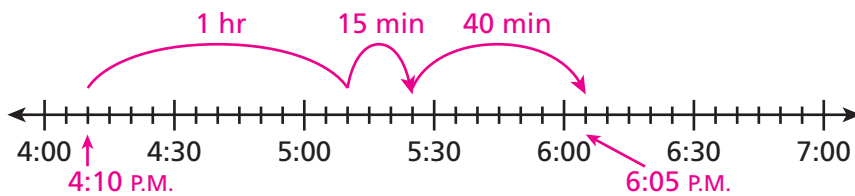
- 5 Find and label the perimeter of each rectangle. Then complete the table.
- 6 Compare the shapes of the rectangles with the least and greatest perimeters.

Possible answer: The rectangle with the least perimeter is a square; the rectangle with the greatest perimeter is long and skinny.

Solve.

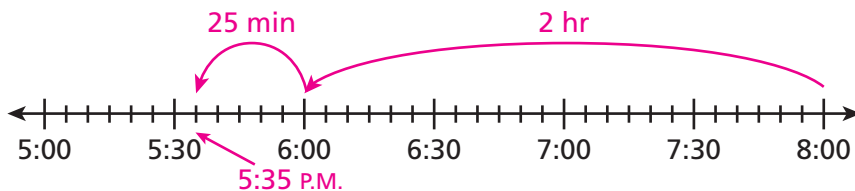
- 1 Kali's piano practice begins at 4:10 P.M. She practices for 1 hour 15 minutes. Then she spends 40 minutes helping her mom with laundry. What time does Kali finish helping her mom?

6:05 P.M.

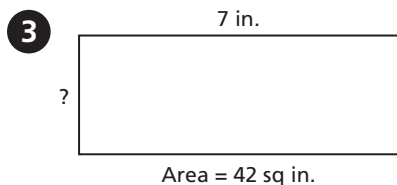


- 2 Jamal finishes watching a movie at 8:00 P.M. The movie was 2 hours 25 minutes long. At what time did the movie start?

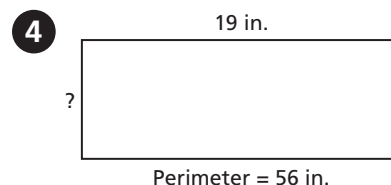
5:35 P.M.



Find the unknown side length in each diagram.



6 in.



9 in.

- 5 **Stretch Your Thinking** Give an example of a square that has the same number for its area and perimeter.

Possible answer: A square with a side length of 4 cm has a perimeter of 16 cm and an area of 16 sq cm.

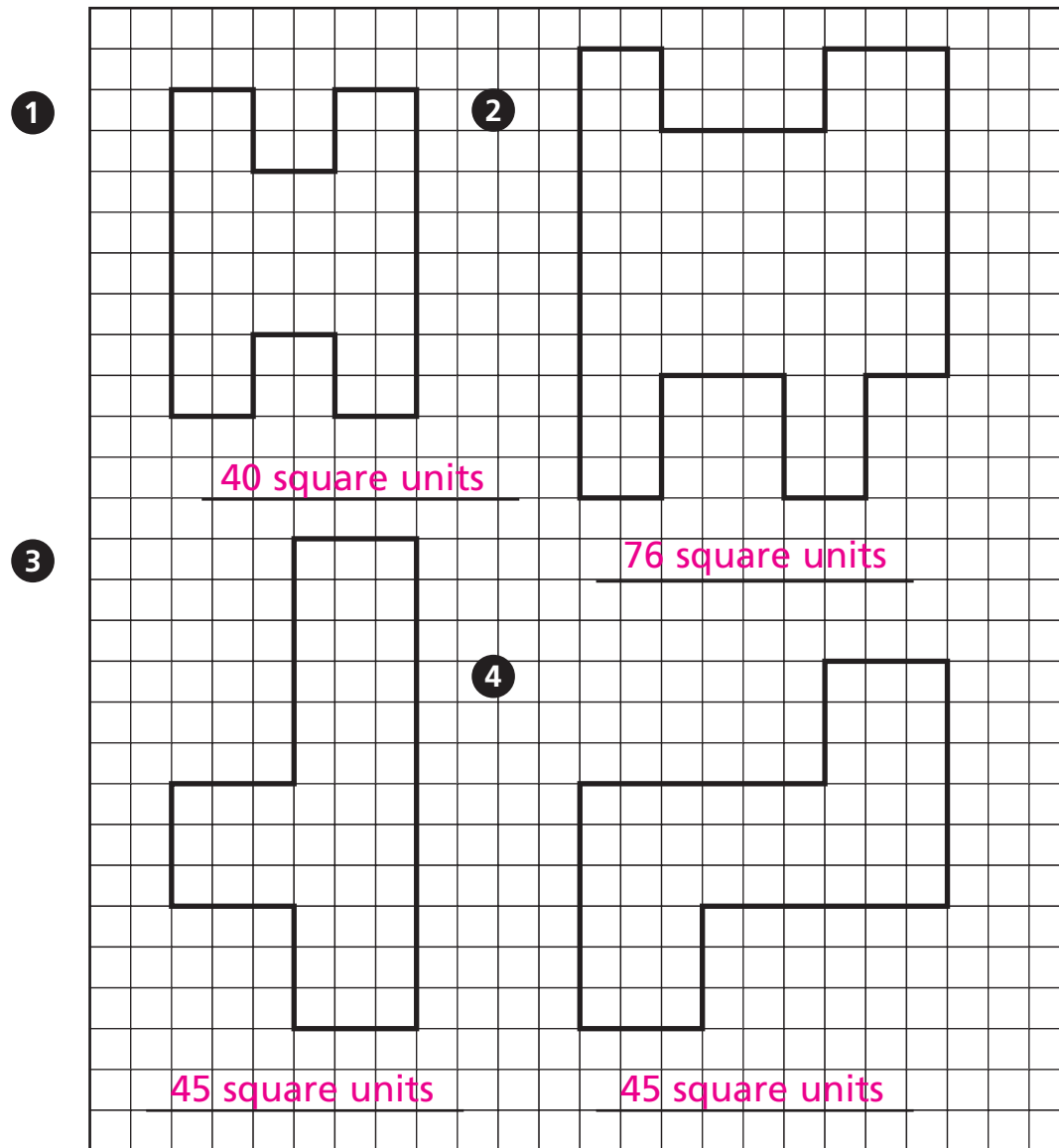
5-4
Homework

Name _____

Date _____

Decompose each figure into rectangles.

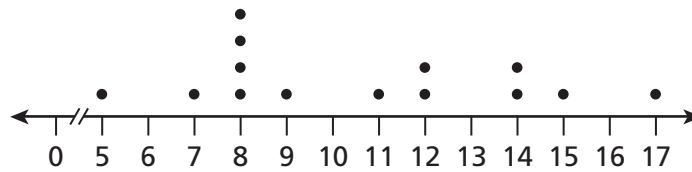
Then find the area of the figure. *Drawings will vary.*



5 Choose one figure from Exercises 1–4. Explain how and why you decomposed it as you did.

Possible answer: I decomposed Figure 4 into 5 squares,
each with an area of 9 square units, because then I
could just multiply 5×9 to get the total area.

Use the line plot to answer the questions.



Height of Plants in Inches

- ① What height appears the most often?

8 inches

- ② How many plants are there?

14 plants

- ③ How many plants are 14 inches tall?

2 plants

- ④ How many plants are 14 inches or taller?

4 plants

Complete.

- ⑤ On centimeter dot paper, draw all the possible rectangles with a perimeter of 12 cm and sides whose lengths are whole numbers. Label the lengths of two adjacent sides of each rectangle.

Rectangles with Perimeter 12 cm

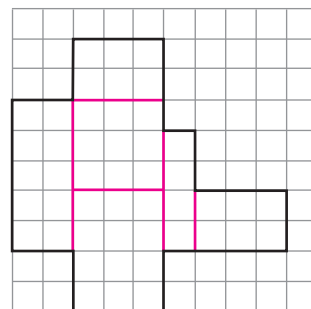
Lengths of Two Adjacent Sides	Area
1 cm and 5 cm	5 sq cm
2 cm and 4 cm	8 sq cm
3 cm and 3 cm	9 sq cm

- ⑥ Find and label the area of each rectangle. Then complete the table.

Check student's drawings.
Possible drawings shown.

- ⑦ **Stretch Your Thinking** Gwen decomposes the figure into 5 rectangles and 1 square. Draw lines on the figure to show how Gwen decomposed the figure. Then find the area.

47 sq units



5-5 Homework

Name _____

Date _____

Solve. Circle whether you need to find a perimeter, an area, or an unknown side length. Draw a diagram to represent each situation.

Show your work.

- 1 Carl is making a rectangular dog run. He has 36 one-yard sections of fence that he plans to use to keep his dog inside. He wants the run to be as long as possible. What is the longest whole-number length he can use for the run?

Perimeter Area Side Length
17 yards long

- 2 Bob has 37 tiles with dimensions of 1 foot by 1 foot. He wants to tile a closet that is 7 feet long and 5 feet wide. Does he have enough tiles? If so, how many more will be left over?

Perimeter Area Side Length
Yes; 2 extra tiles

- 3 A stage is 10 yards long and 5 yards wide. The orchestra pit in front of the stage is 4 yards long and 2 yards wide. How much floor space do the stage and the orchestra pit take up?

Perimeter Area Side Length
58 square yards

- 4 Tracy embroidered 26 quilt blocks with letters and 10 quilt blocks with numbers. She wants her quilt to have 6 rows. How many quilt blocks will be in each row?

Perimeter Area Side Length
6 quilt blocks

1 Think about making a fraction bar for eighths.

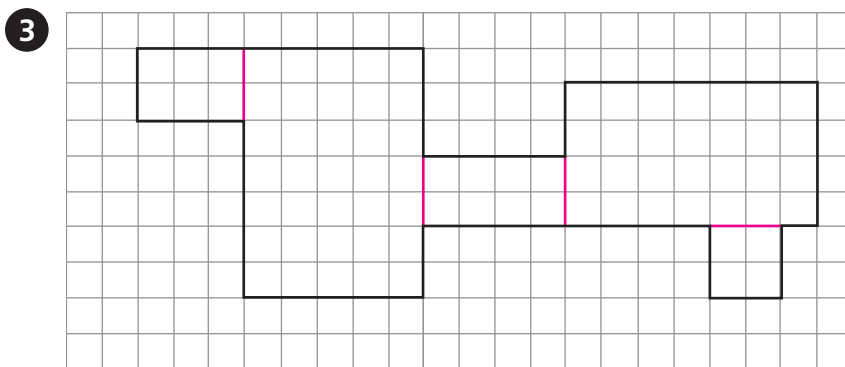
a. How many unit fractions would be in the fraction bar? 8

b. How do you write the unit fraction? $\frac{1}{8}$

Complete the table.

2	Start Time	Elapsed Time	End Time
	4:38	2 hours 12 minutes	6:50
	10:15	1 hour 17 minutes	11:32
	2:45	4 hours 51 minutes	7:36

Decompose the figure into rectangles. Then find the area of the figure. Check students' drawings. Possible drawings shown.



81 square units

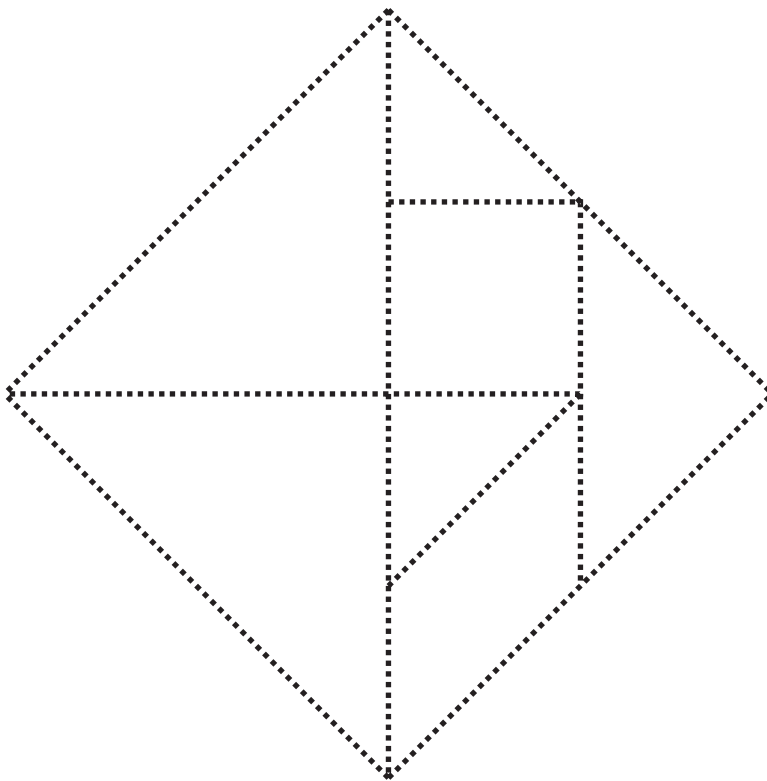
4 **Stretch Your Thinking** Abbie makes two different quilts. Each quilt is a square. However, the quilts have different perimeters and areas. Describe the areas and perimeters the two quilts could have. Possible answers shown.

Quilt 1 25 square feet area 20 feet perimeter

Quilt 2 49 square feet area 28 feet perimeter

Check students' work.

- 1 Color the two large triangles purple.
- 2 Color the two small triangles green.
- 3 Color the square, the parallelogram, and the medium triangle blue.
- 4 Cut out the tangram pieces.
- 5 Use the pieces to make other tangram shapes.
- 6 Choose one shape and copy it on a separate sheet of paper.
- 7 Find the area of the shape you made. Remember, the square is one square inch.



Estimate the length of the line segment in inches.
Then measure it to the nearest $\frac{1}{2}$ inch.



Estimate: Answers will vary. Actual: $2\frac{1}{2}$ inches

Estimate the length of the line segment in inches.
Then measure it to the nearest $\frac{1}{4}$ inch.



Estimate: Answers will vary. Actual: $3\frac{3}{4}$ inches

Solve. Circle whether you need to find a perimeter, an area, or an unknown side length. Draw a diagram to represent the situation.

- 3 Brian buys a package of 25 one-inch square tiles. He wants to make a mosaic picture 5 inches long and 4 inches wide. Does he have enough tiles? If so, how many more will be left over?

Perimeter Area Side Length

Yes; 5 extra tiles

- 4 **Stretch Your Thinking** Which tangram pieces can make a square with the area of 9 square inches? Remember, the square is one square inch.

Answers will vary. Possible answer: 6 squares and 6 small triangles

5-7
Homework

Name _____

Date _____

Use your fraction strips for Exercises 1–6. Fill in the blanks.

- 1 How many eighths are in one fourth? 2

Complete these equations:

2 eighths = 1 fourth $\frac{\boxed{2}}{8} = \frac{1}{4}$

- 2 How many fourths are in one half? 2

Complete these equations:

2 fourths = 1 half $\frac{\boxed{2}}{4} = \frac{1}{2}$

- 3 How many eighths are in three fourths? 6

Complete these equations:

6 eighths = 3 fourths $\frac{\boxed{6}}{8} = \frac{3}{4}$

- 4 How many sixths are in two thirds? 4

Complete these equations:

4 sixths = 2 thirds $\frac{\boxed{4}}{6} = \frac{2}{3}$

- 5 How many sixths are in one half? 3

Complete these equations:

3 sixths = 1 half $\frac{\boxed{3}}{6} = \frac{1}{2}$

- 6 Find three other pairs of equivalent fractions.

Answers will vary.

Answers will vary.

Answers will vary.

Multiply or divide.

- 1 $5 \times 4 = \underline{20}$ 2 $7 \times 7 = \underline{49}$ 3 $32 \div 8 = \underline{4}$
 4 $45 \div 5 = \underline{9}$ 5 $9 \times 6 = \underline{54}$ 6 $42 \div 6 = \underline{7}$

Complete.

- 7 On a centimeter dot grid, draw all the possible rectangles with a perimeter of 14 cm and sides whose lengths are whole centimeters. Label the lengths of two adjacent sides of each rectangle.

Rectangles with Perimeter 14 cm	
Lengths of Two Adjacent Sides	Area
1 cm and 6 cm	6 sq cm
2 cm and 5 cm	10 sq cm
3 cm and 4 cm	12 sq cm

- 8 Find and label the area of each rectangle. Then complete the table.

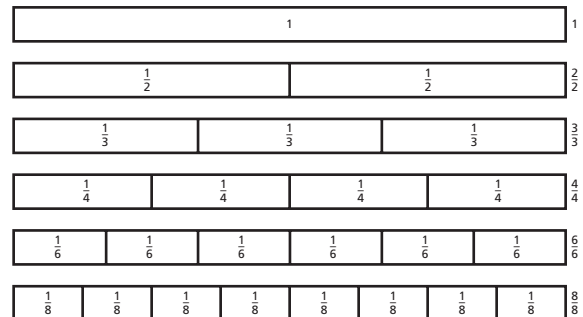
Compare. Use $<$, $>$, or $=$.

- 9 $\frac{1}{3} \boxed{>} \frac{2}{7}$ 10 $\frac{3}{6} \boxed{>} \frac{2}{5}$ 11 $\frac{4}{6} \boxed{<} \frac{6}{6}$ 12 $\frac{4}{8} \boxed{=} \frac{2}{4}$
 13 $\frac{4}{6} \boxed{>} \frac{4}{7}$ 14 $\frac{2}{5} \boxed{<} \frac{4}{5}$ 15 $\frac{3}{6} \boxed{<} \frac{7}{8}$ 16 $\frac{3}{5} \boxed{>} \frac{3}{7}$
 17 $\frac{2}{6} \boxed{<} \frac{4}{8}$ 18 $\frac{3}{3} \boxed{=} \frac{5}{5}$ 19 $\frac{5}{4} \boxed{>} \frac{2}{4}$ 20 $\frac{5}{6} \boxed{<} \frac{5}{4}$

- 21 **Stretch Your Thinking** Use 4, 6, and 8 as denominators, and write six equivalent fractions.

Possible answers: $\frac{1}{4} = \frac{2}{8}, \frac{2}{4} = \frac{4}{8}, \frac{2}{4} = \frac{3}{6},$

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

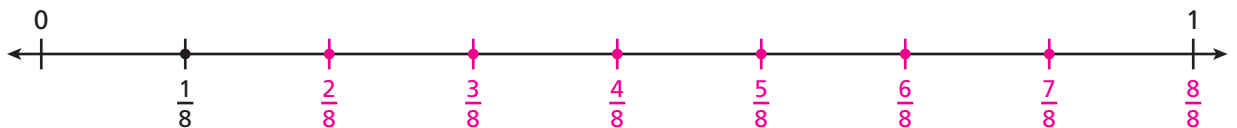
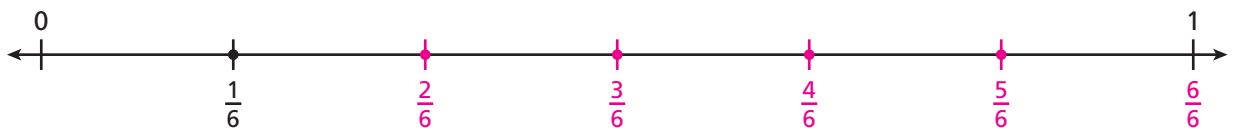
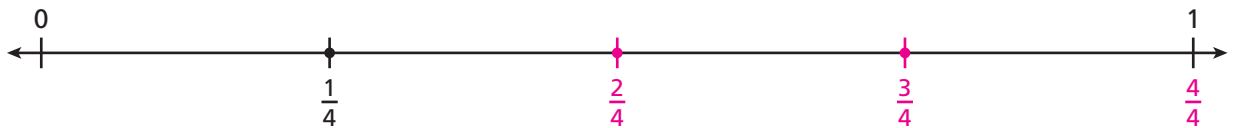
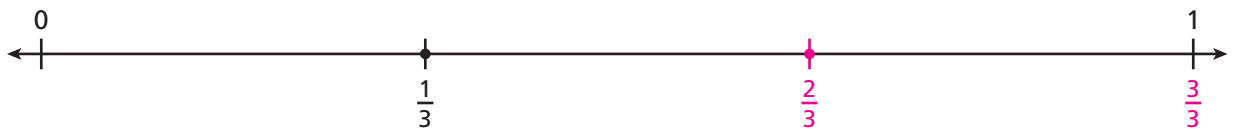
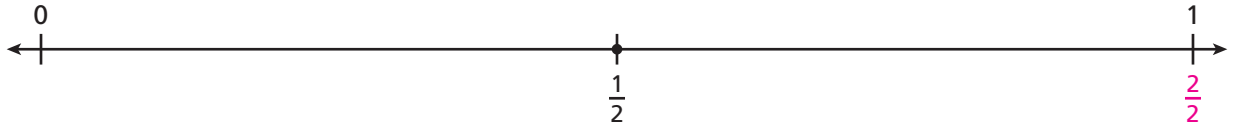


5-8 Homework

Name _____

Date _____

- 1 Complete each number line. Show all fractions including each fraction for 1.



Use your number lines. Write an equivalence chain.

- 2 With fractions that equal $\frac{1}{2}$

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

- 3 With fractions that equal $\frac{3}{4}$

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

- 4 With fractions that equal $\frac{6}{6}$

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

Solve each problem. Label your answers with the correct units.

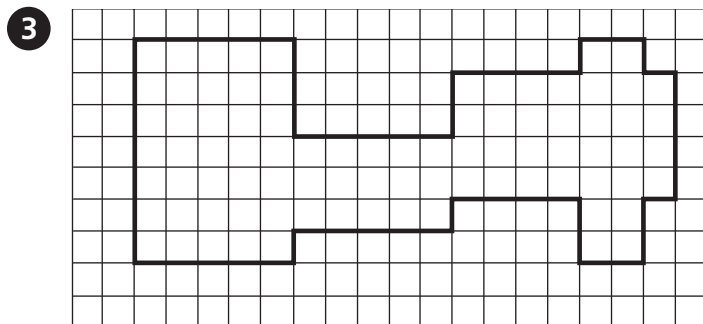
- ① Mrs. Walters buys 30 square feet of outdoor carpeting for her patio. If one side of the carpet is 6 feet, what is the length of the adjacent side?

5 feet

- ② The carpenter installs a rectangular wall that has a width of 5 feet and a height of 8 feet. What is the area of the wall?

40 square feet

Decompose the figure into rectangles. Then find the area of the figure.



84 square units

Use your fraction strips for Exercise 4. Fill in the blanks.

- ④ How many sixths are in one third? 2

Complete these equations:

$$\underline{2} \text{ sixths} = 1 \text{ third} \quad \frac{\boxed{2}}{6} = \frac{1}{3}$$

- ⑤ **Stretch Your Thinking** Look at the fractions.

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

Explain the relationship between the numerator and the denominator. Write a different fraction equivalent to $\frac{1}{2}$.

Possible answers: The numerator is half of the denominator or the denominator is double the numerator. $\frac{5}{10}$

Solve. Draw diagrams or number lines if it helps.

Show your work.

- 1 Jack buys $\frac{4}{3}$ pounds of plums. Martin buys $\frac{6}{3}$ pounds of apples. Who buys more fruit? Explain your answer.

Martin; When you compare $\frac{4}{3}$ and $\frac{6}{3}$, $\frac{6}{3} > \frac{4}{3}$.

- 2 May runs $\frac{10}{4}$ miles every day after school. Beth says that she runs farther than May every day because she runs $\frac{5}{2}$ miles every day after school. Is her statement correct? Explain your answer.

No; $\frac{10}{4} = \frac{5}{2}$ because they are equivalent fractions.

- 3 Bess has knitted $\frac{5}{8}$ of the scarf she is making. Has she knitted more than $\frac{1}{2}$ of the scarf? *Hint:* Find an equivalent fraction in eighths for $\frac{1}{2}$.

Yes; $\frac{1}{2} = \frac{4}{8}$ and $\frac{5}{8} > \frac{4}{8}$.

- 4 Bert used $\frac{7}{8}$ foot of an oak board to make a tray. Akio made his tray from $\frac{4}{4}$ foot of the same oak board. Who used more wood? How do you know?

Akio; $\frac{4}{4} = 1$, $\frac{7}{8}$ is less than 1, so Akio used more

wood than Bert.

- 5 A bottle of orange juice holds $\frac{4}{6}$ quart of juice. A bottle of pineapple juice holds $\frac{2}{3}$ quart of juice. Which bottle has more juice? How do you know?

Both bottles have the same amount of juice; $\frac{4}{6} = \frac{2}{3}$.

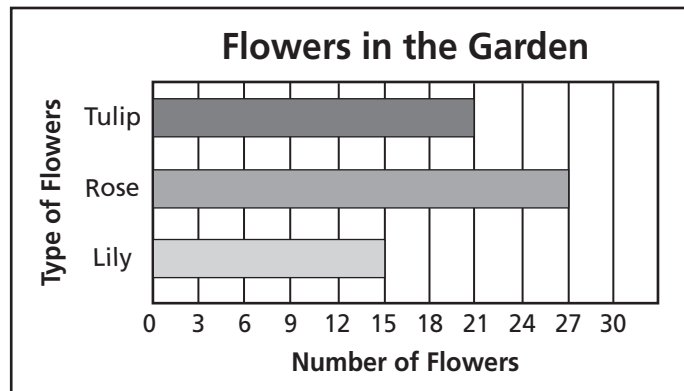
Use the horizontal bar graph to answer each question.

- ① How many roses are in the garden?

27 roses

- ② How many more tulips are there than lilies?

6 more tulips



Solve. Draw a diagram to represent the situation.

- ③ Rachel has 20 one-inch beads. She wants to use all of them to make a square picture frame. What will be the length of each side?

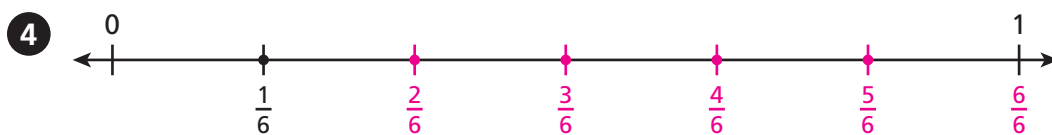
Perimeter

Area

Side Length

5 inches

Complete the number line. Show all fractions including the fraction for 1.



- ⑤ **Stretch Your Thinking** Christine and Alan each buy the same size sandwich. Christine eats $\frac{3}{4}$ of her sandwich. Alan eats more of his sandwich than Christine. Use a different denominator to show how much of the sandwich Alan might have eaten.

Possible answer: $\frac{5}{6}$

5-10
Homework

Name _____

Date _____

Complete.

- 1 Fold a sheet of paper in half. Open the paper and shade one part. Write a fraction for the shaded part.

$\frac{1}{2}$

- 2 Refold the paper along the same line. Fold it in half again. Write a fraction for the part you think is shaded.

$\frac{2}{4}$

- 3 Refold the paper along the same lines. Fold it in half one more time. Write a fraction for the part you think is shaded.

$\frac{4}{8}$

- 4 Unfold the paper to check.

- 5 Write an equivalence chain using the fractions that name the shaded part of the paper.

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

- 6 Write another fraction that is equivalent to $\frac{1}{2}$.

$\frac{3}{6}$

- 7 What 3 fractions can you write for the whole?

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

Solve. Use a clock or sketch a number line diagram if you need to.

- ① Brandon arrives at practice at 5:30 P.M. The team does warm-up exercises for 20 minutes. Then they practice for 50 minutes. What time does practice end?

6:40 P.M.

- ② Kate wants to watch a movie that lasts 1 hour 30 minutes. What time does she have to start the movie to be finished by 4:45 P.M.?

3:15 P.M.

- ③ Use the tangram pieces to make shapes. Choose one shape and copy it on a separate sheet of paper. Find the area of the shape you made. Remember, the square is one square inch.

Answers will vary based on students' shapes.

Solve. Draw diagrams or number lines if it helps.

Show your work.

- ④ John uses $\frac{8}{6}$ ounces of milk for his recipe. Mya uses $\frac{4}{3}$ ounces of milk for her recipe. Who uses more milk? Explain your answer.

Neither; $\frac{8}{6} = \frac{4}{3}$ so they both use the same amount.

- ⑤ Keisha's box weighs $\frac{5}{4}$ pounds. Dylan's box weighs $\frac{7}{4}$ pounds. Whose box weighs more?

Dylan's box; When you compare $\frac{5}{4}$ and $\frac{7}{4}$, $\frac{7}{4} > \frac{5}{4}$.

- ⑥ **Stretch Your Thinking** How many times would you fold a sheet of paper in half to have eighths? Explain.

3 times; Possible answer: folding the paper in half will make two halves, folding in half again makes four fourths, and folding in half a third time makes eight eighths.

Find the amount of change by counting on to the amount paid. Draw the coins and bills you counted.

- 1 Cody paid for a \$1.17 container of yogurt with two \$1 bills. How much change did he get? 83¢
P P P N Q Q Q
- 2 Maria paid for a \$4.39 sandwich with a \$5 bill. How much change did she get? 61¢
P D Q Q
- 3 Asia bought a \$3.62 book with four \$1 bills. How much change did she get? 38¢
P P P D Q
- 4 Malik paid for a \$2.56 container of milk with a \$5 bill. How much change did he get? \$2.44
P P P P N D Q \$1 bill \$1 bill
- 5 Emma bought a \$2.28 box of color pencils with three \$1 bills. How much change did she get? 72¢
P P D D Q Q
- 6 At a sale, Mateo bought a \$3.84 board game with a \$5 bill. How much change did he get? \$1.16
P N D \$1 bill

Multiply.

$$\begin{array}{r} \textcircled{1} \quad 324 \\ \times \quad 7 \\ \hline 2,268 \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 48 \\ \times \quad 6 \\ \hline 288 \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad 275 \\ \times \quad 8 \\ \hline 2,200 \end{array}$$

- 4** Think about making a fraction bar to show $\frac{5}{6}$.
- a. How many unit fractions would be in the fraction bar? 6
- b. How many parts would you shade? 5

Solve each problem. Label your answers with the correct units.

Show your work.

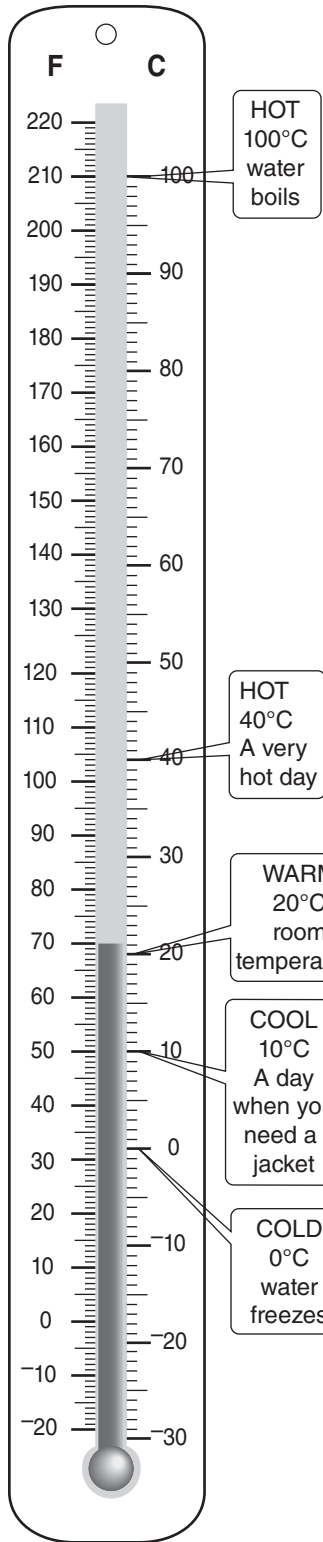
- 5** The area of a rectangular closet floor is 24 square feet. The closet floor is 8 feet long. How wide is the floor?
3 feet
- 6** A photo is 5 inches wide and 7 inches long. What is the area of the photo?
35 square inches
- 7** **Stretch Your Thinking** Tony paid for a milkshake with a \$5 bill. He got 2 dimes and a \$1 bill for change. How much did the milkshake cost? Use coins and bills if you need to.
\$3.80

**5-12
Homework**

Name _____

Date _____

Use the thermometer. Circle the better estimate of the temperature.



1



30°F

86°F

2

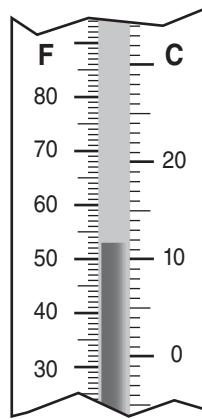


0°C

40°C

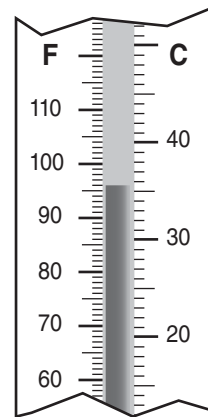
Write the temperature using °F. Then write *hot*, *warm*, *cool*, or *cold* to describe the temperature.

3



53°F; cool

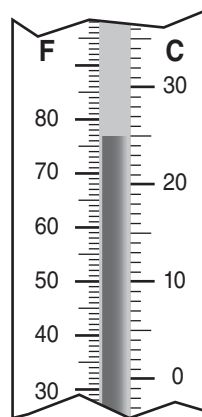
4



96°F; hot

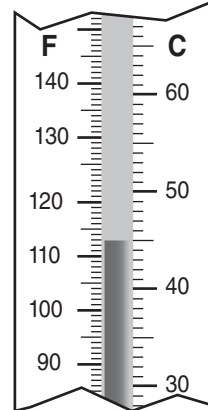
Write the temperature using °C. Then write *hot*, *warm*, *cool*, or *cold* to describe the temperature.

5



25°C; warm

6



45°C; hot

Subtract.

$$\begin{array}{r} \textcircled{1} \quad 726 \\ - 483 \\ \hline 243 \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 5,394 \\ - 765 \\ \hline 4,629 \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad 6,247 \\ - 3,852 \\ \hline 2,395 \end{array}$$

Solve. Use a clock or sketch a number line diagram if you need to.

Show your work.

- 4** Zach's soccer practice lasts for 1 hour 20 minutes. Practice ends at 5:45 P.M. What time does practice start?

4:25 P.M.

- 5** Sofia leaves for the movies at 6:40 P.M. The movie will start 15 minutes after this. If the movie lasts 1 hour 35 minutes, what time will the movie be finished?

8:30 P.M.

Compare.

Use $<$, $>$, or $=$.

$$\textcircled{6} \quad \frac{2}{5} \bigcirc \frac{2}{8}$$

$$\textcircled{7} \quad \frac{3}{4} \bigcirc \frac{6}{8}$$

$$\textcircled{8} \quad \frac{5}{8} \bigcirc \frac{3}{8}$$

$$\textcircled{9} \quad \frac{4}{4} \bigcirc \frac{3}{3}$$

$$\textcircled{10} \quad \frac{2}{3} \bigcirc \frac{4}{6}$$

$$\textcircled{11} \quad \frac{4}{8} \bigcirc \frac{4}{7}$$

- 12** **Stretch Your Thinking** Fill in the blanks with appropriate temperatures. Be sure to include $^{\circ}\text{F}$ or $^{\circ}\text{C}$.

For lunch, Darnell had a bowl of soup that was _____ and a container of milk that was _____. **Answers may vary. Possible answers: 150°F and 35°F or 65°C and 2°C .**

Event	$^{\circ}\text{F}$	$^{\circ}\text{C}$
Water freezes	32	0
Cool day	50	10
Warm room	70	21
Very hot day	104	40
Water boils	212	100