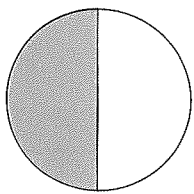


# Lesson 1 Fractions of a Whole

A fraction is a number for part of a whole. The top number of a fraction is the numerator. The bottom number is the denominator.



$\frac{1}{2}$  ← part shaded  
 $\frac{1}{2}$  ← parts in all

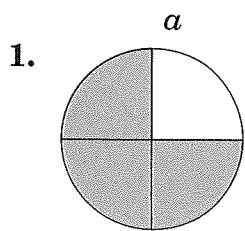


$\frac{2}{3}$  ← parts shaded  
 $\frac{2}{3}$  ← parts in all

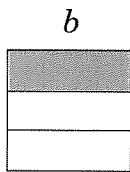
$\frac{1}{2}$  of the circle is shaded blue.

$\frac{2}{3}$  of the rectangle is shaded blue.

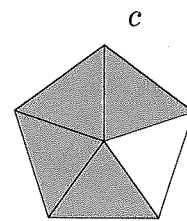
What fraction of each figure is shaded?



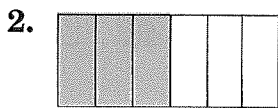
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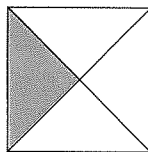
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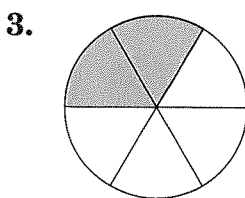
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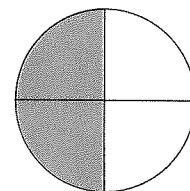
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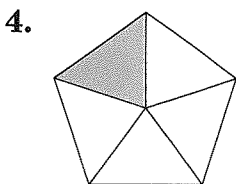
\_\_\_\_\_



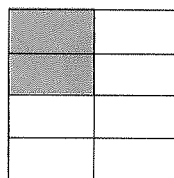
\_\_\_\_\_



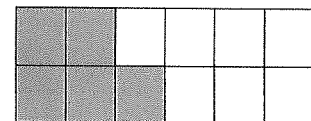
\_\_\_\_\_



\_\_\_\_\_



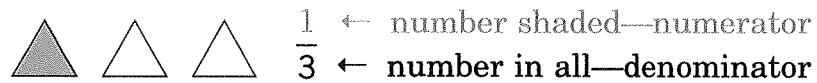
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\_\_\_\_\_

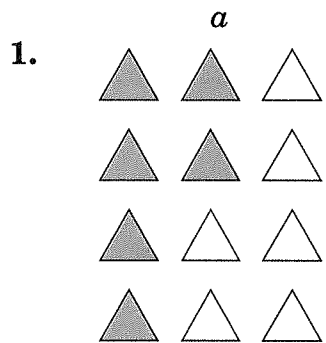
## Lesson 2 Fractions of a Set

Write the fraction for the shaded part of the set.

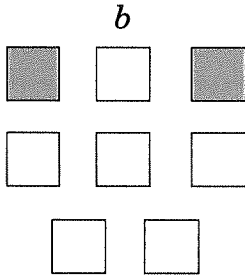


$\frac{1}{3}$  of the set is shaded blue.

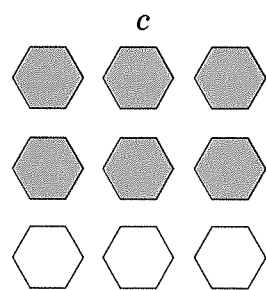
Write the fraction for the shaded part of each set.



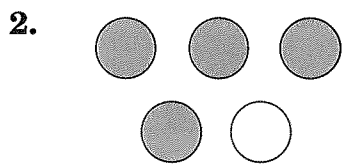
\_\_\_\_\_



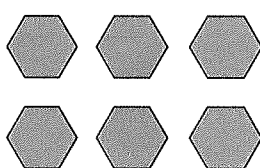
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\_\_\_\_\_



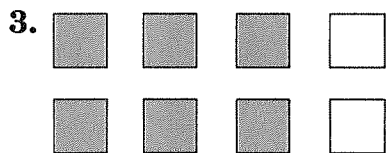
\_\_\_\_\_



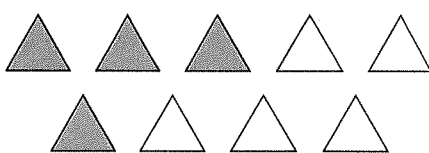
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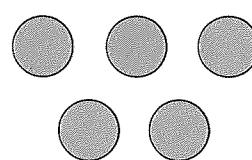
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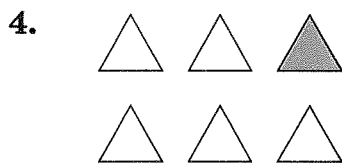
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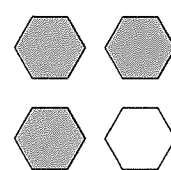
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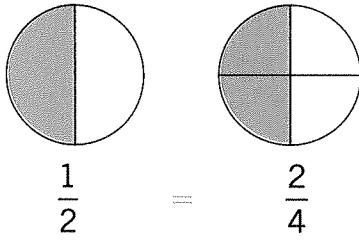
\_\_\_\_\_



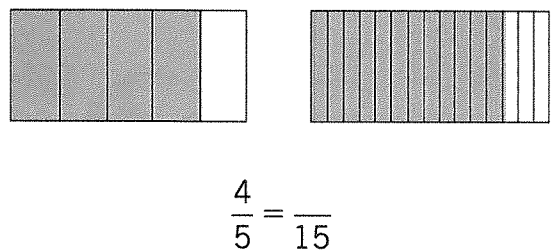
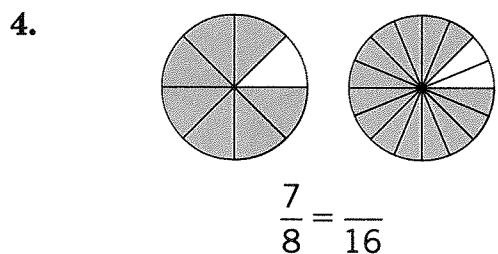
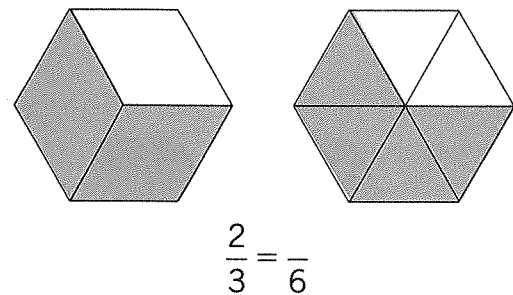
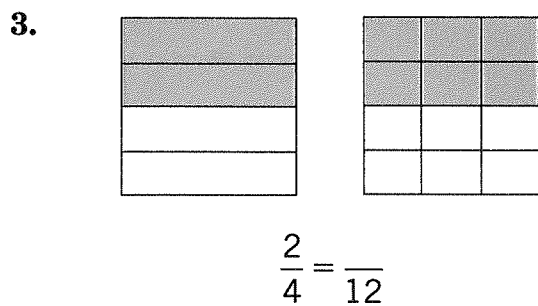
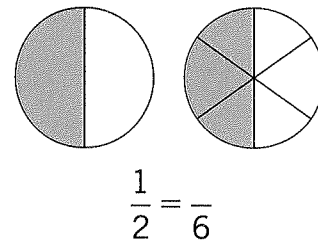
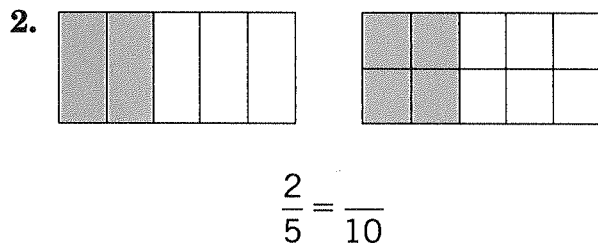
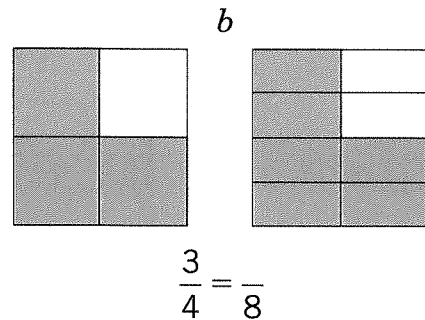
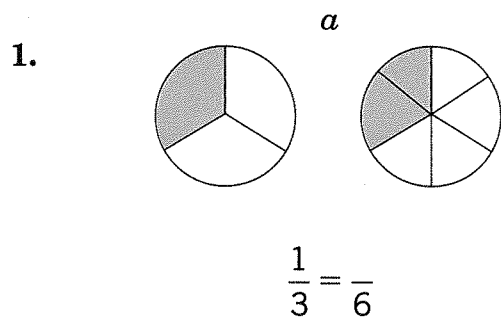
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## Lesson 3 Equivalent Fractions

Equivalent fractions name the same number.

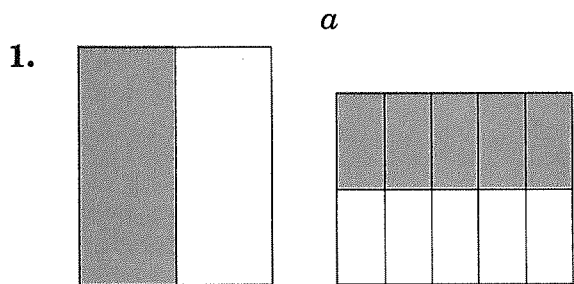


Write an equivalent fraction.

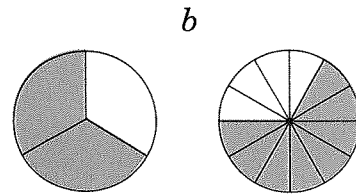


# Lesson 3 Problem Solving

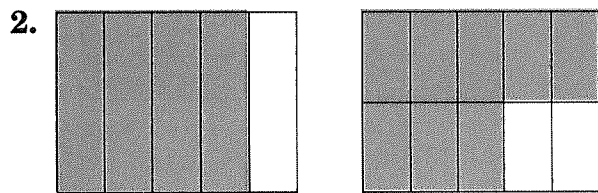
Write equivalent fractions.



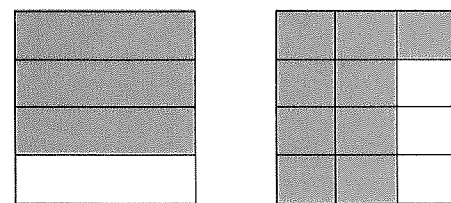
$$\frac{1}{2} = \frac{\quad}{10}$$



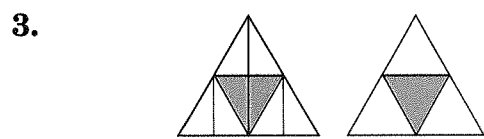
$$\frac{2}{3} = \frac{\quad}{12}$$



$$\frac{4}{5} = \frac{8}{\quad}$$



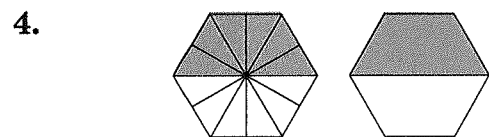
$$\frac{3}{4} = \frac{9}{12}$$



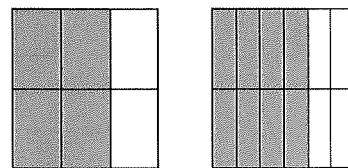
$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$



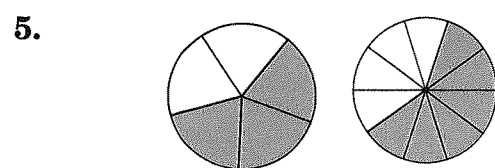
$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$



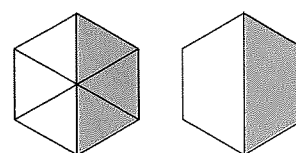
$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$



$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

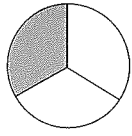
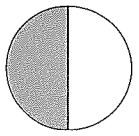


$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$



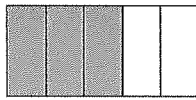
$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

# Lesson 4 Compare Fractions



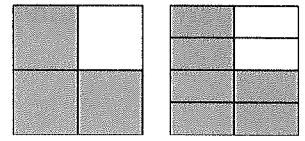
$$\frac{1}{2} > \frac{1}{3}$$

$\frac{1}{2}$  is greater than  $\frac{1}{3}$ .



$$\frac{3}{5} < \frac{2}{3}$$

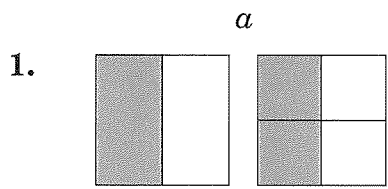
$\frac{3}{5}$  is less than  $\frac{2}{3}$ .



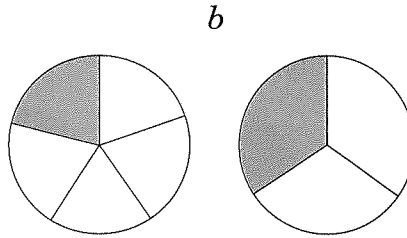
$$\frac{3}{4} = \frac{6}{8}$$

$\frac{3}{4}$  is equal to  $\frac{6}{8}$ .

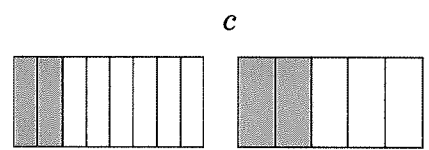
Use  $>$ ,  $<$ , or  $=$  to compare the fractions.



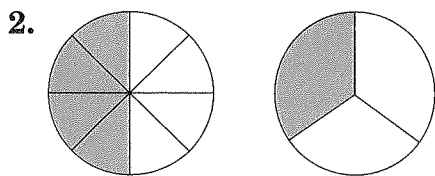
$$\frac{1}{2} \bigcirc \frac{2}{4}$$



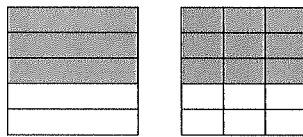
$$\frac{1}{5} \bigcirc \frac{1}{3}$$



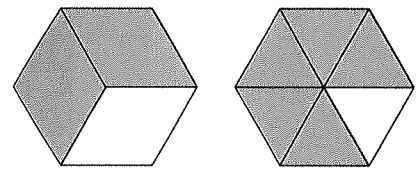
$$\frac{2}{8} \bigcirc \frac{2}{5}$$



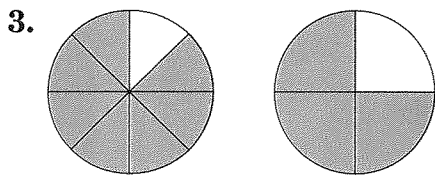
$$\frac{4}{8} \bigcirc \frac{1}{3}$$



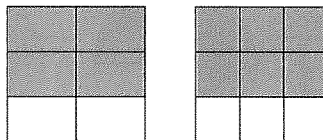
$$\frac{3}{5} \bigcirc \frac{9}{15}$$



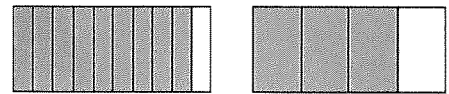
$$\frac{2}{3} \bigcirc \frac{5}{6}$$



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



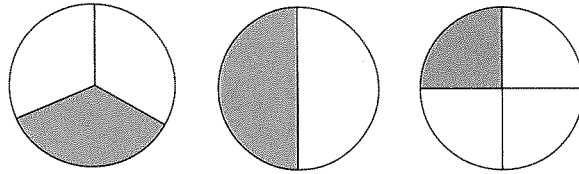
$$\frac{4}{6} \bigcirc \frac{6}{9}$$



$$\frac{9}{10} \bigcirc \frac{3}{4}$$

## Lesson 5 Order Fractions

Compare the shaded parts of the figures. Then write the fractions in order from least to greatest.



$$\frac{1}{3}$$

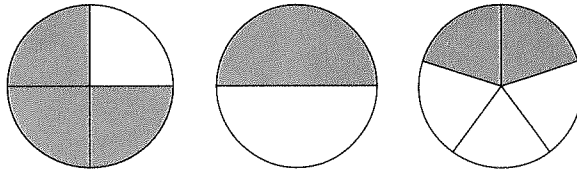
$$\frac{1}{2}$$

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

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

Place the fractions in order from least to greatest.

1.



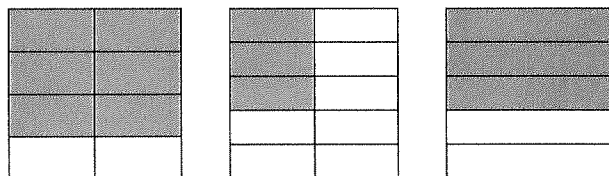
$$\frac{3}{4}$$

$$\frac{1}{2}$$

$$\frac{2}{5}$$

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

2.



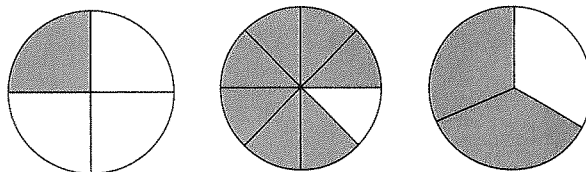
$$\frac{6}{8}$$

$$\frac{3}{10}$$

$$\frac{3}{5}$$

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

3.



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

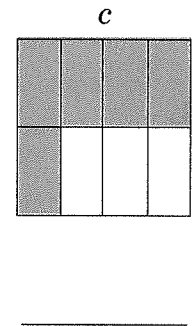
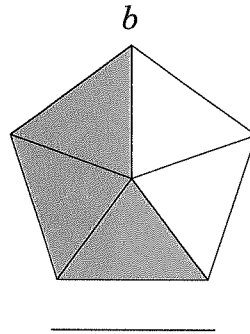
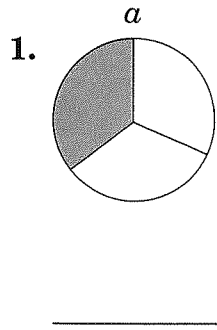
$$\frac{7}{8}$$

$$\frac{2}{3}$$

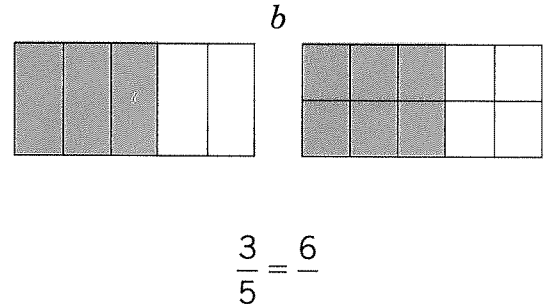
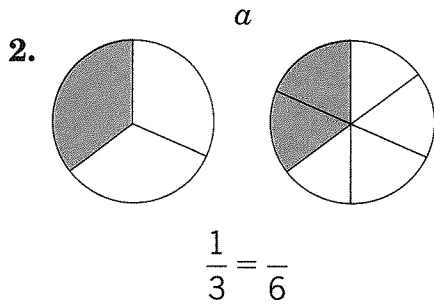
\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

# CHAPTER 15 PRACTICE TEST

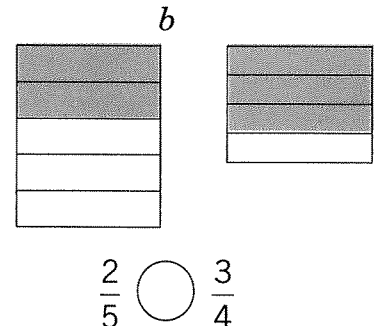
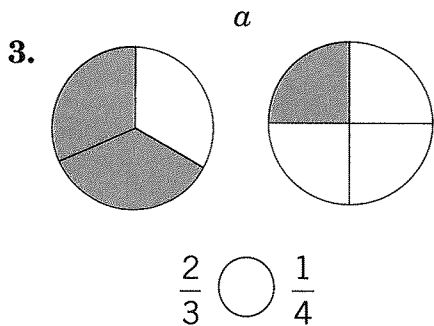
What fraction of the figure is shaded?



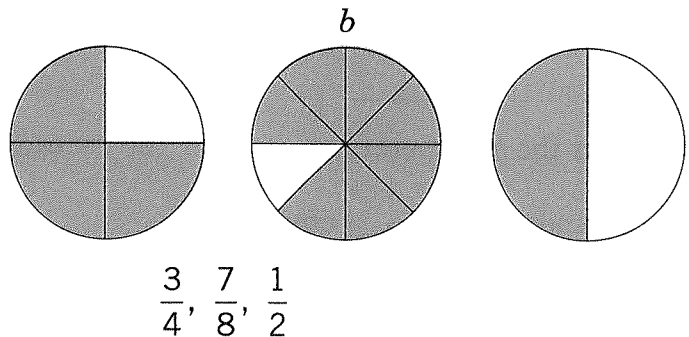
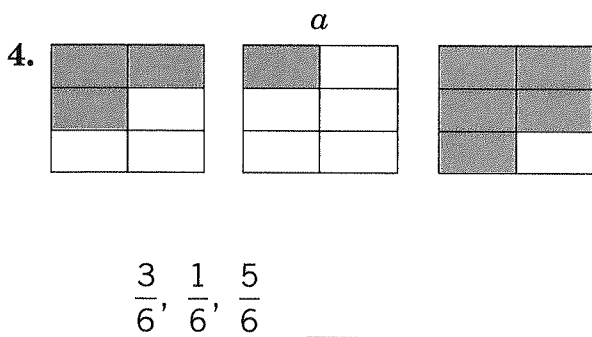
Write a number to show equivalent fractions.



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



Place the fractions in order from least to greatest.



# CHAPTER 16 PRETEST

## Geometry

Match each figure in column *a* with its name in column *b*.

1. *a*



*b*

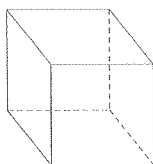
cube

2.



triangle

3.



rectangular prism

4.



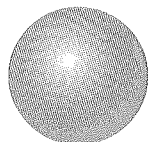
cylinder

5.



sphere

6.

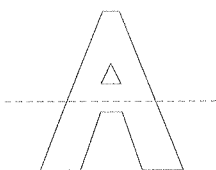


square

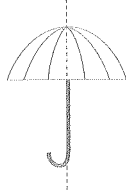
Is the line drawn on each figure a line of symmetry?

7.

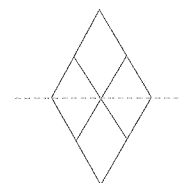
*a*



*b*



*c*



\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. Find the perimeter and area of the rectangle.

perimeter: \_\_\_\_\_ cm

area: \_\_\_\_\_ cm<sup>2</sup>

