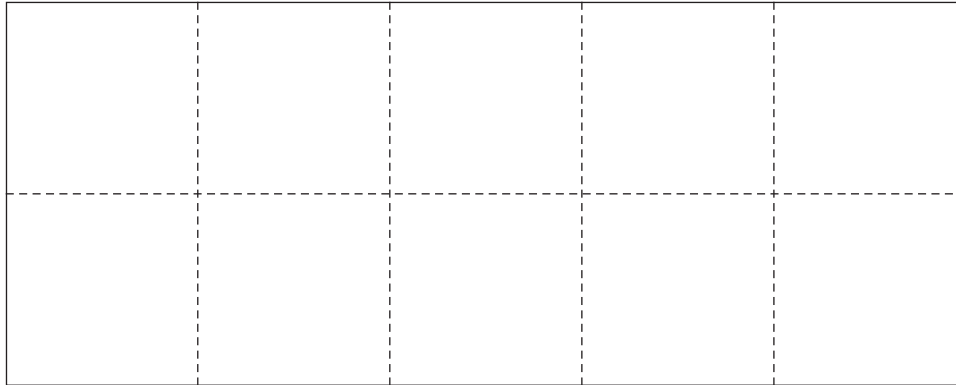


LESSON  
**1**

**FOCUS:** Review tenths

**MATERIALS:** Tiles



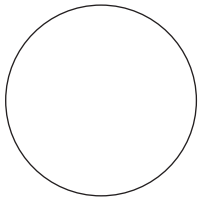
- The rectangle is divided into 10 parts. What fraction is each part? \_\_\_\_\_
- Label each section of the rectangle with both a decimal and a common fraction.
- Use your tiles to make two models of this rectangle on your desk. How many whole rectangles do you have? \_\_\_\_\_
- Is each tile  $\frac{1}{10}$  (0.1) of each rectangle? \_\_\_\_\_
- How many tenths are there in both rectangles? \_\_\_\_\_
- Solve the problems. Use the tiles to show your work.
 

<ol style="list-style-type: none"> <li><math>0.2 + 0.2 + 0.2 + 0.2 =</math> _____</li> <li><math>0.2 + 0.2 + 0.2 + 0.2 + 0.2 =</math> _____</li> <li><math>0.5 + 0.5 =</math> _____</li> <li><math>0.2 + 0.2 + 0.2 + 0.2 + 0.2 + 0.2 =</math> _____</li> <li><math>0.6 + 0.6 =</math> _____</li> <li><math>\frac{2}{10} + \frac{2}{10} + \frac{2}{10} + \frac{2}{10} =</math> _____</li> <li><math>\frac{5}{10} + \frac{5}{10} =</math> _____</li> <li><math>4 \times 0.2 =</math> _____</li> <li><math>5 \times 0.2 =</math> _____</li> <li><math>2 \times 0.5 =</math> _____</li> <li><math>6 \times 0.2 =</math> _____</li> </ol>	<ol style="list-style-type: none"> <li><math>2 \times 0.6 =</math> _____</li> <li><math>4 \times \frac{2}{10} =</math> _____</li> <li><math>2 \times \frac{5}{10} =</math> _____</li> <li><math>0.8 \div 0.2 =</math> _____</li> <li><math>1 \div 0.2 =</math> _____</li> <li><math>1 \div 0.5 =</math> _____</li> <li><math>1.2 \div 0.2 =</math> _____</li> <li><math>1.2 \div 0.6 =</math> _____</li> <li><math>\frac{4}{10} \div \frac{2}{10} =</math> _____</li> <li><math>1 \div \frac{5}{10} =</math> _____</li> </ol>
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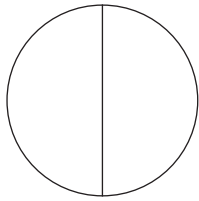
LESSON  
**2**

**FOCUS:** Review common fractions and decimal fractions; equivalent fractions

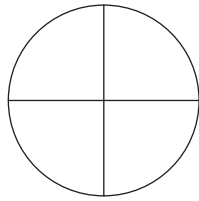
**MATERIALS:** Crayons or textas, ruler



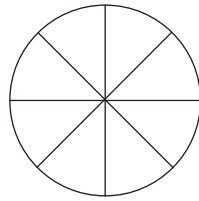
A



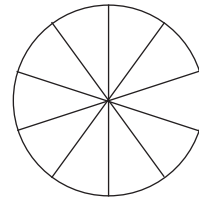
B



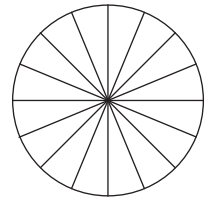
C



D



E



F

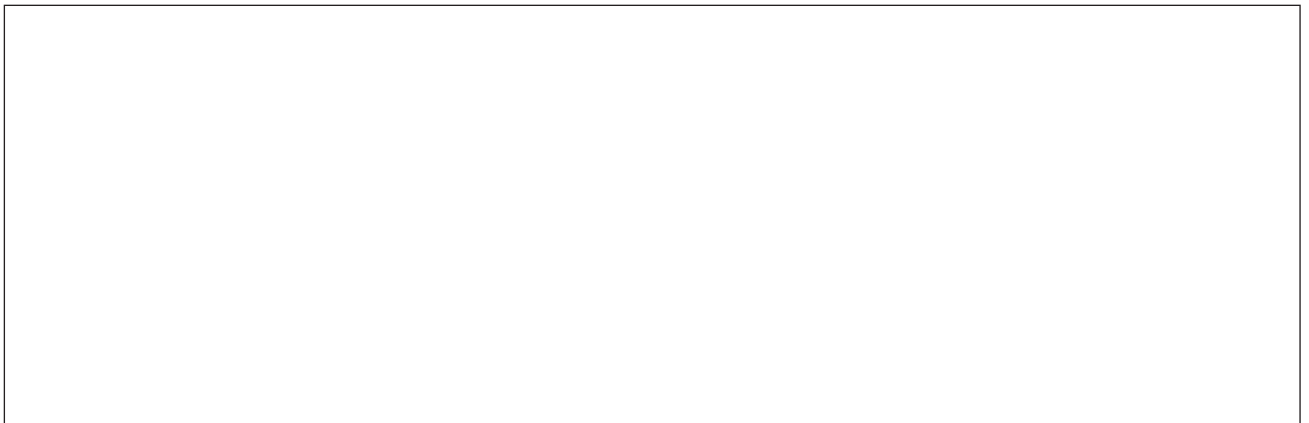
1. a. Write a common fraction to describe one of the equal parts of each circle.  
Write a decimal fraction for circle *E*.

A \_\_\_\_\_ B \_\_\_\_\_ C \_\_\_\_\_ D \_\_\_\_\_ E \_\_\_\_\_ F \_\_\_\_\_

- b. Are all the circles the same size? \_\_\_\_\_

When two figures are equal in size and shape, they are **congruent**.

- c. Draw two circles that are congruent and two circles that are not congruent.



- d. Shade half of circles *A–F*. List all the fractions shown in the circles that equal  $\frac{1}{2}$ .

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

- e. Divide circle *A* into sixths. How many sixths equal  $\frac{1}{2}$ ? \_\_\_\_\_

Write this as a number sentence. \_\_\_\_\_

- f. List five more fractions that equal  $\frac{1}{2}$ . \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

- g. List all the fractions shown in the circles that equal  $\frac{1}{4}$ . \_\_\_\_\_, \_\_\_\_\_

- h. List five more fractions that equal  $\frac{1}{4}$ . \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

- i. List all the fractions shown in the circles that equal 1.

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

- j. List five more fractions that equal 1. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

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2. Solve the problems.

a.  $\frac{2}{2} + \frac{3}{3} = \underline{\hspace{2cm}}$

b.  $\frac{1}{2} + \frac{2}{4} = \underline{\hspace{2cm}}$

c.  $1 \div \frac{1}{2} = \underline{\hspace{2cm}}$

d.  $\frac{10}{10} \div 0.1 = \underline{\hspace{2cm}}$

e.  $3 \div 0.1 = \underline{\hspace{2cm}}$

f.  $\frac{1}{2} + \frac{5}{10} = \underline{\hspace{2cm}}$

g.  $\frac{4}{4} + \frac{5}{5} = \underline{\hspace{2cm}}$

h.  $2 \times (\frac{3}{6} + \frac{4}{8}) = \underline{\hspace{2cm}}$

i.  $\frac{3}{3} \div \frac{1}{2} = \underline{\hspace{2cm}}$

j.  $1 \div \frac{1}{10} = \underline{\hspace{2cm}}$

k.  $1 \div 0.2 = \underline{\hspace{2cm}}$

l.  $\frac{1}{4} + \frac{2}{8} = \underline{\hspace{2cm}}$

m.  $3 \times (\frac{5}{5} + \frac{8}{8}) = \underline{\hspace{2cm}}$

n.  $\frac{1}{2} \times (2 \times \frac{3}{6}) = \underline{\hspace{2cm}}$

o.  $(2 \times \frac{4}{4}) \div \frac{1}{2} = \underline{\hspace{2cm}}$

p.  $2 \div \frac{1}{10} = \underline{\hspace{2cm}}$

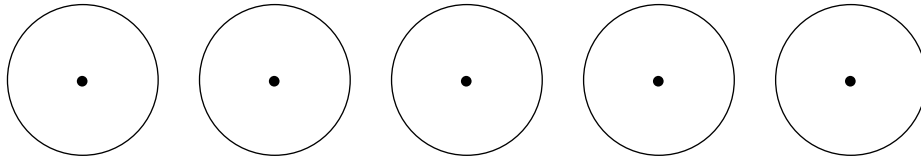
q.  $2 \div 0.2 = \underline{\hspace{2cm}}$

r.  $\frac{1}{4} + \frac{4}{16} = \underline{\hspace{2cm}}$

# LESSON 3

**FOCUS:** Review fractions and mixed numbers

**MATERIALS:** Crayons or textas, ruler



1. a. Divide each circle into halves. Colour  $\frac{1}{2}$  of each circle.  
 b. How many halves did you colour? \_\_\_\_\_  
 c. How many halves did you not colour? \_\_\_\_\_  
 d. How many halves are there altogether? \_\_\_\_\_
2. a. Divide each circle into quarters.  
 b. How many quarters are there in one circle? \_\_\_\_\_  
 c. How many quarters are there altogether? \_\_\_\_\_  
 d. How many quarters are coloured? \_\_\_\_\_
3. a. Divide each circle into eighths.  
 b. How many eighths are there in one circle? \_\_\_\_\_  
 c. How many eighths are there altogether? \_\_\_\_\_  
 d. How many eighths are coloured? \_\_\_\_\_
4. Solve the problems. Use the circles above if needed.
 

a. $1 \div \frac{1}{2} =$ _____	i. $2 \div \frac{1}{2} =$ _____	q. $3 \div \frac{1}{2} =$ _____
b. $1 \div \frac{2}{4} =$ _____	j. $2 \div \frac{2}{4} =$ _____	r. $3 \div \frac{2}{4} =$ _____
c. $5 \div \frac{4}{8} =$ _____	k. $1 \div \frac{1}{4} =$ _____	s. $2 \div \frac{1}{4} =$ _____
d. $5 \div \frac{1}{4} =$ _____	l. $1\frac{1}{2} \div \frac{1}{2} =$ _____	t. $1\frac{1}{2} \div \frac{2}{4} =$ _____
e. $2\frac{1}{2} \div \frac{1}{2} =$ _____	m. $2\frac{1}{2} \div \frac{4}{8} =$ _____	u. $3\frac{1}{2} \div \frac{5}{10} =$ _____
f. $1\frac{1}{2} + 1\frac{1}{2} =$ _____	n. $2 \times 1\frac{1}{2} =$ _____	v. $3 \div 1\frac{1}{2} =$ _____
g. $2\frac{2}{4} + 2\frac{2}{4} =$ _____	o. $2 \times 2\frac{2}{4} =$ _____	w. $5 \div 2\frac{2}{4} =$ _____
h. $2\frac{4}{8} + 2\frac{5}{10} =$ _____	p. $3 \times 1\frac{1}{2} =$ _____	x. $7\frac{1}{2} \div 1\frac{1}{2} =$ _____