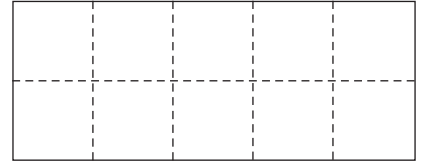
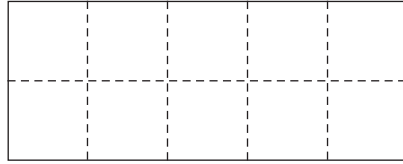
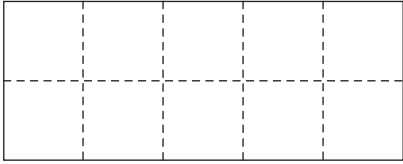


LESSON
1

FOCUS: Review tenths

MATERIALS: Tiles



1. Each rectangle is divided into 10 sections.
 - a. Write the common fraction form of each section. _____
 - b. Write the decimal form. _____

2. Make models of the three rectangles with your tiles.
 - a. How many whole rectangles are there? _____
 - b. How many tenths are there in all? _____

3. Solve the problems. Use tiles to help.

a. $0.2 + 0.2 + 0.2 =$ _____	$3 \times 0.2 =$ _____	$0.6 \div 0.2 =$ _____
b. $0.3 + 0.3 + 0.3 + 0.3 =$ _____	$4 \times 0.3 =$ _____	$1.2 \div 0.3 =$ _____
c. $0.5 + 0.5 + 0.5 =$ _____	$3 \times 0.5 =$ _____	$1.5 \div 0.5 =$ _____
d. $0.1 + 0.1 + 0.1 + 0.1 =$ _____	$4 \times 0.1 =$ _____	$0.4 \div 0.1 =$ _____
e. $0.6 + 0.6 =$ _____	$2 \times 0.6 =$ _____	$1.2 \div 0.6 =$ _____
f. $\frac{2}{10} + \frac{2}{10} + \frac{2}{10} + \frac{2}{10} =$ _____	$4 \times \frac{2}{10} =$ _____	$\frac{8}{10} \div \frac{2}{10} =$ _____
g. $\frac{5}{10} + \frac{5}{10} =$ _____	$2 \times \frac{5}{10} =$ _____	$1 \div \frac{5}{10} =$ _____
h. $\frac{6}{10} + \frac{6}{10} =$ _____	$2 \times \frac{6}{10} =$ _____	$1\frac{2}{10} \div \frac{6}{10} =$ _____

4. Solve the problems.

a. $3 \div 0.1 =$ _____	i. $5 \times 0.5 =$ _____
b. $3 \div 0.5 =$ _____	j. $2 \div 0.4 =$ _____
c. $3 \div 0.2 =$ _____	k. $30 \times 0.3 =$ _____
d. $2.5 \div 0.5 =$ _____	l. $6 \times 0.5 =$ _____
e. $2 \div 0.2 =$ _____	m. $\frac{30}{10} \div \frac{6}{10} =$ _____
f. $3 \div \frac{3}{10} =$ _____	n. $2.5 \div 5 =$ _____
g. $3 \div \frac{5}{10} =$ _____	o. $5 \times 0.4 =$ _____
h. $3 \div 0.6 =$ _____	

LESSON
2

FOCUS: Review common and decimal fractions, including operations
MATERIALS: Coloured textas, ruler

1. Solve the problems.

a. $\frac{4}{4} + \frac{3}{3} = \underline{\hspace{2cm}}$

b. $\frac{1}{2} + \frac{3}{6} = \underline{\hspace{2cm}}$

c. $1 \div \frac{3}{6} = \underline{\hspace{2cm}}$

d. $\frac{5}{5} \div 0.1 = \underline{\hspace{2cm}}$

e. $4 \div 0.1 = \underline{\hspace{2cm}}$

f. $\frac{2}{4} + \frac{5}{10} = \underline{\hspace{2cm}}$

g. $\frac{3}{3} + \frac{5}{5} = \underline{\hspace{2cm}}$

h. $4 \times (\frac{3}{6} + \frac{6}{12}) = \underline{\hspace{2cm}}$

i. $\frac{4}{4} \div \frac{3}{6} = \underline{\hspace{2cm}}$

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

k. $3 \div 0.3 = \underline{\hspace{2cm}}$

l. $\frac{1}{4} + \frac{3}{12} = \underline{\hspace{2cm}}$

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

n. $\frac{1}{2} \times (2 \times \frac{4}{8}) = \underline{\hspace{2cm}}$

o. $(2 \times \frac{5}{5}) \div \frac{1}{2} = \underline{\hspace{2cm}}$

p. $4 \div \frac{1}{10} = \underline{\hspace{2cm}}$

q. $4 \div 0.4 = \underline{\hspace{2cm}}$

r. $\frac{2}{8} + \frac{4}{16} = \underline{\hspace{2cm}}$

2. Explain how you can add, multiply, and divide the common fractions and decimals in problem 1 without using the rules. You may use words and pictures or diagrams to show your thinking.

3. Write any rules you know for each of these operations on common fractions and decimals. You may use pictures or diagrams to explain the rules.

a. Addition: _____

b. Multiplication: _____

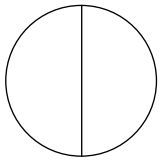
c. Division: _____

LESSON 3

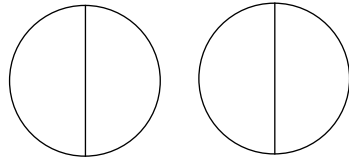
FOCUS: Review operations with common fractions and mixed numbers

MATERIALS: Coloured textas, ruler

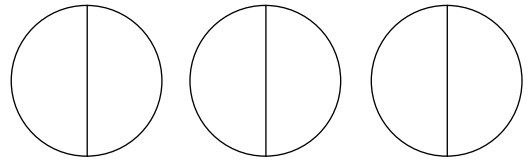
These examples show how to use circles to divide whole numbers, mixed numbers, and common fractions.



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



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



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

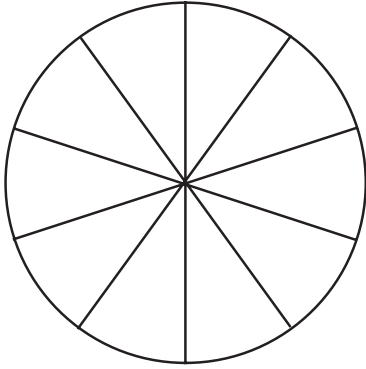
Solve the problems. You may use circles or other figures to help.

1. $1 \div \frac{2}{4} = \underline{\hspace{2cm}}$
2. $4 \div \frac{4}{8} = \underline{\hspace{2cm}}$
3. $6 \div \frac{2}{8} = \underline{\hspace{2cm}}$
4. $3\frac{1}{2} \div \frac{1}{2} = \underline{\hspace{2cm}}$
5. $3\frac{1}{4} + 3\frac{1}{4} = \underline{\hspace{2cm}}$
6. $2\frac{2}{4} + 2\frac{2}{4} = \underline{\hspace{2cm}}$
7. $2\frac{4}{8} + 3\frac{5}{10} = \underline{\hspace{2cm}}$
8. $5 - \frac{1}{2} = \underline{\hspace{2cm}}$
9. $2 \div \frac{2}{4} = \underline{\hspace{2cm}}$
10. $1 \div \frac{1}{4} = \underline{\hspace{2cm}}$
11. $1\frac{1}{8} \div \frac{1}{8} = \underline{\hspace{2cm}}$
12. $3\frac{1}{2} \div \frac{4}{8} = \underline{\hspace{2cm}}$
13. $2 \times 3\frac{1}{4} = \underline{\hspace{2cm}}$
14. $2 \times 2\frac{2}{4} = \underline{\hspace{2cm}}$
15. $3 \times 1\frac{1}{2} = \underline{\hspace{2cm}}$
16. $5 + \frac{1}{2} = \underline{\hspace{2cm}}$
17. $3 \div \frac{2}{4} = \underline{\hspace{2cm}}$
18. $2 \div \frac{1}{4} = \underline{\hspace{2cm}}$
19. $1\frac{2}{4} \div \frac{2}{4} = \underline{\hspace{2cm}}$
20. $1\frac{1}{2} \div \frac{5}{10} = \underline{\hspace{2cm}}$
21. $6\frac{2}{4} \div 3\frac{1}{4} = \underline{\hspace{2cm}}$
22. $5 \div 2\frac{2}{4} = \underline{\hspace{2cm}}$
23. $7\frac{1}{2} \div 1\frac{1}{2} = \underline{\hspace{2cm}}$
24. $5\frac{1}{2} + 5\frac{1}{2} = \underline{\hspace{2cm}}$

LESSON
4

FOCUS: Review halves, tenths, decimals, and operational concepts

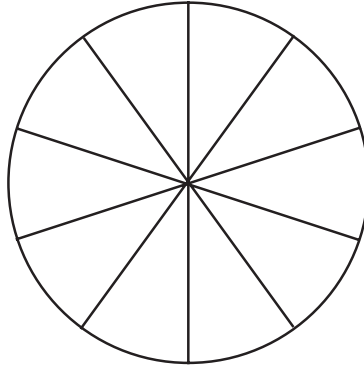
MATERIALS: Coloured textas



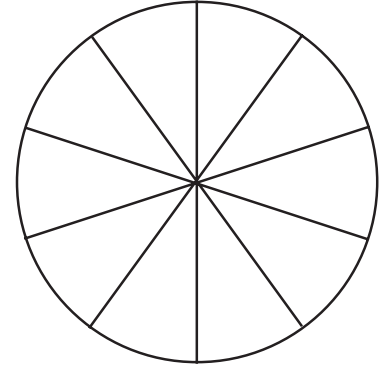
$$1 \div \frac{1}{10} = 10$$

or

$$1 \div 0.1 = 10$$



$$2 \div 0.1 = 20$$



Solve the problems. You may use circles or other figures to help.

1. $3 \div 0.2 = \underline{\hspace{2cm}}$

$4 \div 0.2 = \underline{\hspace{2cm}}$

$5 \div 0.2 = \underline{\hspace{2cm}}$

2. $1 \div 0.5 = \underline{\hspace{2cm}}$

$2 \div 0.5 = \underline{\hspace{2cm}}$

$3 \div 0.5 = \underline{\hspace{2cm}}$

3. $1.2 + 1.2 = \underline{\hspace{2cm}}$

$2 \times 1.2 = \underline{\hspace{2cm}}$

$2.4 \div 1.2 = \underline{\hspace{2cm}}$

4. $1.2 + 1.2 + 1.2 = \underline{\hspace{2cm}}$

$3 \times 1.2 = \underline{\hspace{2cm}}$

$3.6 \div 1.2 = \underline{\hspace{2cm}}$

5. $0.3 + 0.3 + 0.3 = \underline{\hspace{2cm}}$

$3 \times 0.3 = \underline{\hspace{2cm}}$

$0.9 \div 0.3 = \underline{\hspace{2cm}}$

6. $0.2 + 0.4 + 0.4 = \underline{\hspace{2cm}}$

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

$2 \div 0.1 = \underline{\hspace{2cm}}$

7. $\frac{40}{10} \div \frac{10}{10} = \underline{\hspace{2cm}}$

$4 \div 1 = \underline{\hspace{2cm}}$

$4 \times \frac{10}{10} = \underline{\hspace{2cm}}$

8. Describe the pattern in the answers to problem 1. Explain why the pattern works.
