

# Lesson 11

**Part 1** Write an addition equation for each mixed number.

a.  $3 \frac{9}{10}$

\_\_\_\_\_

d.  $4 \frac{5}{7}$

\_\_\_\_\_

b.  $25 \frac{1}{2}$

\_\_\_\_\_

e.  $20 \frac{5}{6}$

\_\_\_\_\_

c.  $8 \frac{1}{3}$

\_\_\_\_\_

f.  $7 \frac{3}{8}$

\_\_\_\_\_

# Lesson 12

## Part 1 Percent

◆ A **percent** number is a **hundredths** number:

$$16\% = \frac{16}{100}$$

◆ You can rewrite any hundredths fraction as a percent:

$$\frac{45}{100} = 45\%$$

◆ Complete the table.

	Fraction	Percent
a.	$\frac{285}{100}$	
b.		16%
c.	$\frac{7}{100}$	
d.	$\frac{100}{100}$	
e.		325%

Part 2 Write the fraction you multiply  $\frac{3}{4}$  by to get each fraction shown.

≠ means **not** equal

Change the sign in front of each fraction that does **not** equal  $\frac{3}{4}$ .

$$\frac{3}{4} = \frac{15}{20} = \frac{6}{8} = \frac{30}{36} = \frac{12}{12} = \frac{21}{28} = \frac{18}{20}$$

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# Lesson 13

**Part 1** Write the fraction you multiply  $\frac{2}{10}$  by to get each fraction shown. Some fractions need the  $\neq$  sign.

$$\frac{2}{10} = \frac{20}{80} = \frac{12}{60} = \frac{18}{90} = \frac{10}{40} = \frac{10}{50}$$

—      —      —      —      —

**Part 2** Decimal Values for Hundredths

$$\frac{4}{100} = .04 \quad \left| \quad \frac{536}{100} = 5.36$$

◆ Complete the table.

	Decimal	Fraction	Percent
	2.06	$\frac{206}{100}$	206%
a.		$\frac{186}{100}$	
b.		$\frac{80}{100}$	
c.		$\frac{7}{100}$	
d.		$\frac{15}{100}$	
e.		$\frac{258}{100}$	

# Lesson 14

**Part 1** Write the fraction you multiply  $\frac{5}{3}$  by to get each fraction shown. Some fractions need the  $\neq$  sign.

$$\frac{5}{3} = \frac{20}{12} = \frac{25}{18} = \frac{50}{30} = \frac{15}{15}$$

—      —      —      —

**Part 2** Write equivalent decimal values for the percents your teacher says.

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

**Part 3** Complete the table.

	Decimal	Fraction	Percent
a.			142%
b.			9%
c.			28%
d.			518%
e.			3%
f.			70%

# Lesson 15

**Part 1** Write the fraction you multiply  $\frac{9}{5}$  by to get each fraction shown. Some fractions need the  $\neq$  sign.

$$\frac{9}{5} = \frac{45}{20} = \frac{27}{20} = \frac{54}{30} = \frac{90}{50} = \frac{63}{40}$$



**Part 2** Complete the table.

	Decimal	Fraction	Percent
a.		$\frac{100}{100}$	
b.			802%
c.	4.03		
d.			8%
e.		$\frac{90}{100}$	

# Lesson 16

**Part 1** Complete the division problem and the answer for each fraction.  
Box each answer.

a.  $\frac{24}{4}$

)

b.  $\frac{50}{10}$

)

c.  $\frac{86}{2}$

)

d.  $\frac{99}{9}$

)

# Lesson 17

**Part 1** Divisibility Rules

34    55    70

◆ Circle what each number is divisible by.  
Some numbers are divisible by more than one value.

a. 260

divisible by:

10    5    2

c. 364

10    5    2

e. 32

10    5    2

b. 45

divisible by:

10    5    2

d. 10

10    5    2

f. 205

10    5    2

# Lesson 19

## Part 1 Order of Values

◆ When you add, you can show the values in either order.

$4 + m$  is the same as  $m + 4$

◆ Complete each equation. Show the values in the other order if you can.

a.  $5 + j =$

e.  $m - 4 =$

b.  $4 + 8 =$

f.  $16 - a =$

c.  $7 - 3 =$

g.  $p + 3.5 =$

d.  $q + \frac{2}{3} =$

## Part 2 Oral Practice

a.  $j - 36 =$

b.  $j + 300 =$

c.  $j + \frac{1}{2} =$

Part 3 Getting the Letter Alone on a Side

① 
$$\begin{array}{r} j - 12 = \blacksquare \\ + 12 \\ \hline j = \blacksquare \end{array}$$

② 
$$\begin{array}{r} 7 + p = \blacksquare \\ - 7 \\ \hline p = \blacksquare \end{array}$$

◆ Change each side to get rid of the number that is added or subtracted. Write what's left on the side. Remember the = sign.

a.  $j - 36 = \blacksquare$

---

$\blacksquare$

d.  $t - \frac{1}{2} = \blacksquare$

---

$\blacksquare$

b.  $16 + r = \blacksquare$

---

$\blacksquare$

e.  $12 + y = \blacksquare$

---

$\blacksquare$

c.  $j + 300 = \blacksquare$

---

$\blacksquare$

# Lesson 20

## Part 1 Changing a Side of an Equation

◆ If you change **one side**, you must change the **other side** in the **same way**.

◆ For each item, change both sides of the equation in the same way. Figure out what the letter equals.

a.  $k - 2 = 23$

d.  $t - 30 = 1$

b.  $17 + r = 24$

e.  $\frac{3}{5} + y = \frac{5}{5}$

c.  $g + 13 = 17$

f.  $m - 100 = 256$