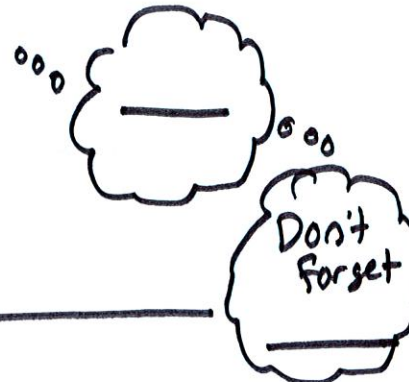


Date: \_\_\_\_\_

# Lesson 4-7

(P 206-210)

Percent: \_\_\_\_\_



examples:

\* Whole Percent: \_\_\_\_\_

Examples:

\* Decimal Percent: \_\_\_\_\_

Examples:

\* Fractional Percent: \_\_\_\_\_

Examples:

Fraction = Decimal = Percent

		50%
		75%
		22%
		39 $\frac{21}{50}$ %

\* To change a percent to a decimal,  $\div$  by \_\_\_\_\_  
(move the decimal point \_\_\_\_\_)

	.64	
	.123	
	1.6	

\* To change a decimal to a percent, multiply by \_\_\_\_\_  
(move the decimal point \_\_\_\_\_)

Date: \_\_\_\_\_

Lesson 4-6

(p 202-205)

Percents = Fractions

Fractions = Decimals = Percents

80%

12.5%

16%

To change a percent to a fraction:

① \_\_\_\_\_

② \_\_\_\_\_



Fractions = Decimals = Percents

$\frac{3}{100}$

$\frac{1}{5}$

$\frac{7}{8}$

$\frac{1}{20}$

To change a fraction to a percent:

① \_\_\_\_\_

② \_\_\_\_\_

Date: \_\_\_\_\_

Lesson 6-9

(p 328-332)



Fraction = Decimal = Percent

Ex:1

$$\frac{7}{9}$$

Ex:2

$$\frac{5}{6}$$

Ex:3

$$\frac{2}{15}$$

Ex:4

$$\frac{7}{11}$$

Date: \_\_\_\_\_

Review Percent  $\longleftrightarrow$  Fractions

I. Fractions  $\longrightarrow$  Percents

NO \_\_\_\_\_

Ex:1  $\frac{5}{8}$

Ex:2  $\frac{7}{8}$

Ex:3  $\frac{6}{8}$

Ex:4  $\frac{2}{9}$

Ex:5  $\frac{5}{16}$

Ex:6  $\frac{1}{6}$

II. Percent  $\longrightarrow$  Fractions

Don't Forget to \_\_\_\_\_

Ex:7 35%

Ex:8 9%

Ex:9 18%

Ex:10 2.6%

III. Compare  $<$ ,  $>$ ,  $=$

Hint: change to same type

Ex:11  $\frac{1}{5}$  \_\_\_\_\_ 15%

Ex:12 500% \_\_\_\_\_ 45

Ex:13  $\frac{2}{3}$  \_\_\_\_\_ 60%

# Lesson 4-7

(p 206-210)

1/24/11 Percents = Decimals  $\hat{=}$  Ratios

Ratio: A comparison of 2 things

14 boys to 10 girls

14 boys : 10 girls

14/10

14 boys per 10 girls

14 boys out of 24 students

Percent: a ratio that compares a number to 100.

\* Whole percent  $\rightarrow$  % without a fraction or decimal.



ex: 51%, 70%, 99%

\* Decimal percent  $\rightarrow$  % with a decimal.

ex: .5%, 37.5%, 60.19%

\* Fractional percent  $\rightarrow$  a % with a fraction.

ex:  $\frac{1}{2}\%$ ,  $37\frac{1}{2}\%$ ,  $60\frac{19}{100}\%$

# Fraction = Decimal = Percent

$\frac{1}{2}$

.5

50%

.35

35%

.51

51%

.375

37.5%

15.18

1518%

To change a percent to a decimal, divide by 100 (move the decimal 2 places to the left).

.174

17  $\frac{2}{5}$  %

.123

12.3%

17.4%

.64

64%

To change a decimal to a percent, multiply by 100 (move the decimal 2 places to the right).

# Lesson 4-6

Percents = Fractions (p202-205)

Fractions = Decimals = percents

$\frac{8}{10} = \left(\frac{4}{5}\right)$	.8	80%
$\frac{1}{8}$	.125	12.5%
$\frac{16}{100} \div 4 = \left(\frac{4}{25}\right)$	.16	16%

To change a percent to a fraction:

- ① change to a decimal
- ② read the decimal out loud to hear & write the fraction.

**\*Don't forget to REDUCE!**

$\frac{3}{100}$	.03	3%
$\frac{1}{5}$	.2	20%
$\frac{7}{8}$	.875	87.5%
$\frac{1}{20}$	.05	5%

$$\begin{array}{r}
 .05 \\
 20 \overline{) 1.00} \\
 \underline{0} \downarrow \\
 100 \\
 \underline{100} \\
 0
 \end{array}$$

😊

To change a fraction to a percent:

- ① Change to a decimal (When in doubt, DIVIDE!)
- ② Move the decimal 2 places  $\smile$  right to change to a percent.

# Lesson 4-6

## Percents = Fractions (p202-205)

Fractions	=	Decimals	=	Percents
$\frac{8}{10} = \frac{4}{5}$		.8		80%
$\frac{125}{1000} = \frac{1}{8}$		.125		12.5%
$\frac{16 \div 2}{100 \div 2} = \frac{8 \div 2}{50 \div 2} = \frac{4}{25}$		.16		16%

To change a percent to a fraction:

- ① change to a decimal
- ② read the decimal out loud to hear & write the fraction.

\* Don't forget to reduce!!!

$\frac{3}{100}$	.03	3%
$\frac{1}{5}$	.2	20%
$\frac{7}{8}$	.875	87.5%



$$\begin{array}{r} 20 \overline{) 1.00} \\ \underline{0} \phantom{0} \\ 100 \\ \underline{100} \\ 0 \end{array}$$

☺

$$\frac{1}{20}$$

$$.05$$

$$5\%$$

To change a fraction to a percent :

- ① Change to a decimal (when in doubt divide!)
- ② Move the decimal 2 places right to change to a percent.

# Lesson 6-9 (p 328-332)

## More Fractions = Decimals = Percents

There's no such thing as a repeating decimal percent.

~~22. $\bar{2}$ %~~

22 $\frac{2}{9}$ %

### Fraction = Decimal = Percent

$\frac{7}{9}$	$.7\bar{7}$ 	$77.\bar{7}\%$ $\downarrow$ $77\frac{7}{9}\%$
$\frac{5}{6}$	$.8\bar{3}$ 	$83.\bar{3}\%$ $\downarrow$ $83\frac{1}{3}\%$
$\frac{1}{6}$	$.1\bar{6}$ 	$16.\bar{6}\%$ $\downarrow$ $16\frac{2}{3}\%$
$\frac{7}{11}$	$.6\bar{3}$ 	$63.\bar{63}\%$ $\downarrow$ $63\frac{7}{11}\%$