

in a WORLD where
you can be anything



BE KIND

Chapter 6 Warm-Ups

Warm-Up #1

FACEBOOK MATH!

(1)

$$\text{Apple} + \text{Apple} + \text{Apple} = 30$$

$$\text{Apple} + \text{Banana} + \text{Banana} = 18$$

$$\text{Banana} - \text{Coconut} = 2$$

$$\text{Coconut} + \text{Apple} + \text{Banana} = ?$$

(2)

$$\text{Horse} + \text{Horse} + \text{Horse} = 30$$

$$\text{Horse} + \text{Horseshoe} + \text{Horseshoe} = 18$$

$$\text{Horseshoe} - \text{Cowboy Boot} = 2$$

$$\text{Cowboy Boot} + \text{Horseshoe} \times \text{Horse} = ??$$

Warm-Up #2

Write each decimal as a percent and each percent as a decimal.

(1) 12%

(2) 5%

(3) 250%

(4) 23.5%

(5) 0.85

(6) 2.1

(7) 0.327

(8) 0.002

Write each decimal as a fraction (always in simplest form!).

(9) 0.45

(10) 0.2

(11) 5.2

(12) 3.16

Simplify.

(13) $3x - 2(x - 3)$

(14) $-\frac{1}{2}(4x + 2) - 2x$

Warm-Up #3

Find the percent of each number.

(1) 10% of \$48

(2) 5% of \$25

(3) 50% of \$63

(4) 15% of \$316

(5) 20% of \$0.25

(6) 25% of \$400

Warm-Up #4

Copy and complete the table.

Fraction	Decimal	Percentage
$\frac{1}{4}$		
	0.1	
		50%
$\frac{3}{4}$		
		20%
	0.3	
$\frac{9}{10}$		
		60%

Warm-Up #5

Use a Percent Proportion to answer each question.

1) What percent of 15 is 6?

2) 35 is what percent of 25?

3) What number is 40% of 50?

4) 0.5% of what number is 5?

5) There are 240 people in a grade. The ratio of boys to girls is 1 to 5. Write and solve a proportion to find the number of boys.

Warm-Up #6

Use a Percent PROPORTION to answer each question.

- 1) You are making 28 name badges for a committee. You complete 75% of these on Monday. How many do you have left to complete on Tuesday?
- 2) You and your friend are selling tickets for the orchestra concert. On Thursday, you sold 15 tickets and your friend sold 10 tickets. What percent of the tickets sold on Thursday did you sell?

Warm-Up #7

Use a Percent EQUATION to answer each question.

- 1) What percent of 15 is 6?
- 2) 35 is what percent of 25?
- 3) What number is 40% of 50?
- 4) You earned a 90% on a test that had 30 questions. How many questions did you answer correctly?

Find the percent of change. Round to the nearest tenth of a percent if necessary.

- 5) 10 inches to 24 inches
- 6) 64 people to 57 people
- 7) Your friend estimates the length of the classroom is 24 feet. The actual length is 21 feet. What is the percent error? Round to the nearest tenth of a percent.
- 8) The original price of a skateboard is \$50. The sale price includes a 25% discount. What is the sale price?
- 9) A store pays \$75 for an aquarium. The markup is 30%. What is the selling price?
- 10) A store sells an aquarium for \$90 after a 15% markup. What was the original price?