

3-2-17

Aim: SWBAT find the percent of change.

Do Now: Quiz

HW: WS (Practice C) # 1, 3, 5

Test Wednesday

Tell whether the percent change is an *increase* or *decrease*. Then find the percent of change. Round your answer to the nearest hundredth.

- \* 2. 10 miles to 36 miles

increase  
 $36 - 10 = 26$

$$\frac{26}{10} = \frac{x}{100}$$

$$\frac{10x}{10} = \frac{2600}{10}$$

Increased 260%       $x = 260$

6. 500 sales to 380 sales

4. 64 teams to 4 teams

decrease  
 $64 - 4 = 60$

$$\frac{60}{64} = \frac{x}{100}$$

Decreased  
 93.75%

starting  
 #

$$\frac{64x}{64} = \frac{6000}{64}$$

$$x = 93.75$$

then whether the statement is true or false.

23. Multiplying a number by 7 is a 700% increase.

24. Multiplying a number by  $\frac{1}{5}$  is a 20% decrease.

25. Dividing a number by 4 is a 75% decrease.