

15.5

Percents of Increase and Decrease

Review

Solving the following using a proportion.

- 1) What percent of 40 is 4?

Review

Solving the following using a proportion.

2) What number is 22% of 300

Review

Solving the following using a proportion.

3) 84 is 70% of what number?

PERCENT OF CHANGE FORMULA

$$\underline{\hspace{2cm}} = \frac{\%}{100}$$

1) Before: 30 points scored

After: 45 points scored



a) Is this a increase or decrease?

b) What is the amount of change?

c) What is the percent of change?



2) Before: 96 redvines

After: 24 redvines

- a) Is this a increase or decrease?**
- b) What is the amount of change?**
- c) What is the percent of change?**

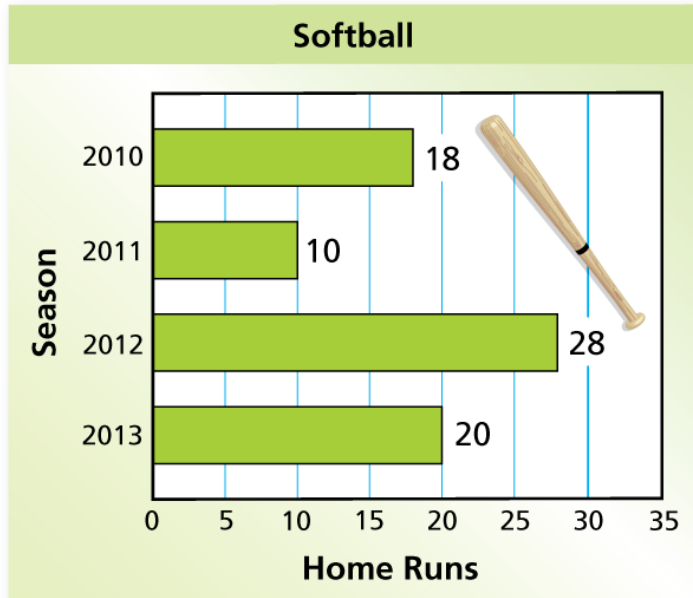
Practice #3

The table shows the numbers of hours you spent online last weekend. What is the percent of change in your online time from Saturday to Sunday?

Day	Hours Online
Saturday	2
Sunday	4.5

Practice #4

The bar graph shows a softball player's home run totals. What was the percent of change from 2012 to 2013?



PERCENT OF ERROR FORMULA

$$\underline{\hspace{10em}} = \frac{\%}{100}$$

Practice #5

You estimate that the length of your classroom is 16 feet. The actual length is 21 feet. Find the percent error.