

6.5a Percent Change

Percent change - percent that a quantity changes from the original amount.

increase - if the new amount is more than the original

decrease - if the new amount is less than the original

percent change = $\frac{\text{change in amt.}}{\text{original amt.}} = \frac{\Delta \text{ amt.}}{\text{orig. amt.}}$

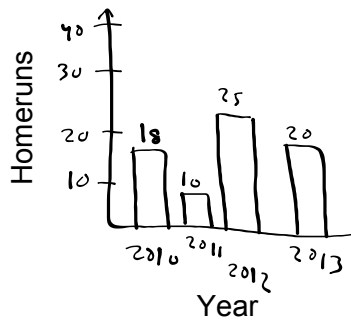
find the difference (with arrow pointing to change in amt.)

Ex. 1

Day	hrs online
Saturday	2
Sunday	4.5

% change: $\frac{4.5 - 2}{2}$
 $\frac{2.5}{2} = 1.25$
125%

Ex. 2 Homeruns per year



a. What is the % change from 2012-2013?

% change: $\frac{20 - 25}{25}$
 $\frac{-5}{25} = -0.2$
-20%

b. What is the % change from 2011-2012?

% change: $\frac{25 - 10}{10}$
 $\frac{15}{10} = 1.5$
150%