

A PERCENT OF CHANGE is the amount a quantity changes from the original amount.

$$\text{Percent of Change} = \frac{\text{Amount of Change}}{\text{Original Amount}}$$

$$P.O.C. = \frac{A.O.C.}{O.A.}$$

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

Notes:

Day	Hours Online
Saturday	2
Sunday	4.5

INCREASE
OR
DECREASE ?

$$P.O.C. = \frac{A.O.C.}{O.A.}$$

$$P.O.C. = \frac{4.5 - 2}{2}$$

$$P.O.C. = \frac{2.5}{2}$$

$$P.O.C. = 1.25$$

$$P.O.C. = 125\% \text{ INCREASE}$$

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

Notes:

Fifty-seven people to 65 people.

$$P.O.C. = \frac{A.O.C.}{O.A.}$$

$$P.O.C. = \frac{65 - 57}{57}$$

$$P.O.C. = \frac{8}{57}$$

$$P.O.C. = 0.140$$

$$P.O.C. = 14.0\% \text{ INCREASE}$$

Ex:) The bar graph shows a softball player's home run totals.

Notes:

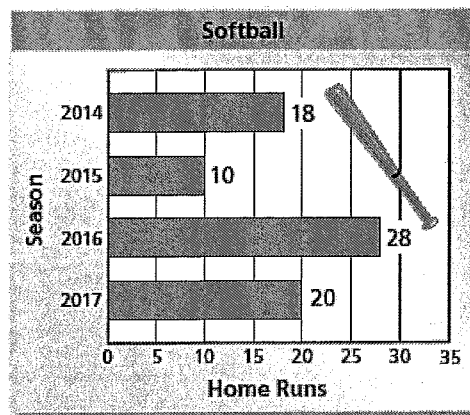
What was the percent of change from 2016 to 2017?

$$P.O.C = \frac{A.O.C}{O.A.}$$

$$P.O.C = \frac{8}{28}$$

$$P.O.C = 28.57$$

$$P.O.C = 28.6\%$$



INCREASE
OR
DECREASE

From 2016 to 2017
THERE WAS A 28.6%
DECREASE IN HOME RUNS.

OYO:) Determine the percent of change from 2014 to 2015.

Notes:

$$P.O.C = \frac{A.O.C}{O.A.}$$

$$P.O.C = \frac{8}{18}$$

$$P.O.C = .444$$

$$P.O.C = 44.4\%$$

INCREASE
OR
DECREASE

From 2014 to 2015
THERE WAS A 44.4%
DECREASE IN HOME RUNS.