

9 7 6 30 13 20 15 30 23
 6 7 9 13 15 20 23 **30 30**

least = mode = most
 greatest = quartiles = median = second
 mean = average range = G - L quartile
 median = middle

3 out of 5 is what percent? (proportion):
 cross multiply
 divide
 of $\frac{\quad}{\quad} = \frac{\quad}{100}\%$

A salesperson in a store earns a 5% commission on a sale of \$480. How much is the commission?

of $\frac{\quad}{\quad} = \frac{\quad}{100}\%$

How much is 4% simple interest on a principal of \$300 after five years?

of $\frac{\quad}{\quad} = \frac{\quad}{100}\%$

An iPod is on sale at a discount of 25% off. If the regular price is \$300 what is the sale price?

of $\frac{\quad}{\quad} = \frac{\quad}{100}\%$ subtract the discount

36 students got A's in Algebra, just 15% of all Algebra students. What is the total number of Algebra students?

of $\frac{\quad}{\quad} = \frac{\quad}{100}\%$

The price of a car has decreased from \$15,000 to \$12,000. What is the percent of decrease?

of $\frac{\quad}{\quad} = \frac{\quad}{100}\%$ reduce first

Marie used to make \$10 per hour. She got a raise to \$12 per hour. By what percent did her pay increase?

of $\frac{\quad}{\quad} = \frac{\quad}{100}\%$

If A = 5 and B = $\frac{1}{3}$

$$A(5 - B) = 5(5 - \frac{1}{3}) =$$

If A = 5 and B = 6 P E M D A S

$$\frac{AB - 3}{3} - 5 = \frac{(5 \cdot 6) - 3}{3} - 5$$

If A = -5 then -A = -(-5)

$$\frac{5}{B} = \frac{4}{B - 2}$$

(proportion):
 cross multiply
 divide

B =

What is the absolute value of -5? absolute value = positive

$|-7| =$ absolute value = positive

$|8| =$ absolute value = positive

$|x| = 5$ positive and negative
 x =

Which number has the greatest absolute value? biggest positive
 -21, 5, or 18?
 +5 +18 +21

Solve for X. opposite of minus 5
 $4X - 5 = 19$ opposite of times 4

Solve for X. inequality same as equation
 $3X + 4 > 25$

Solve for X. multiply or divide by a negative, reverse the sign
 $-5X - 3 < 17$

How many millimeters in a meter? years in a millenium

How many centigrams in a gram? cents in a dollar

How many liters in a kiloliter?