

Basic Math Review

Percentage



Percentage

- In the construction Industry, it is necessary to have skills with percentages because often we must:
 - Calculate cost, pay-outs, and materials in percentages.
 - Scale things up (make larger) or down (make smaller).

Percentage

- Percentage literally means “parts per hundred.”

70% means “out of 100, there are 70.”



Conversions



Conversions

- Percentage to Decimal

$$50\% = .50 = .5$$

Conversions

- Decimal to Fraction

$$.5 = \frac{5}{10} = \frac{1}{2}$$

Conversions

- Fraction to Decimal

$$1/2 = (1 \div 2) = .5$$

Conversions

- Decimal to Percentage

$$.5 = .50 = 50\%$$

Conversions

- You can't go directly from percentage to fraction, or fraction to percentage.
- You must first convert to a decimal.

Conversions

- How to remember.
 - Think “PDF.”

Percentage ↔ Decimal ↔ Fraction