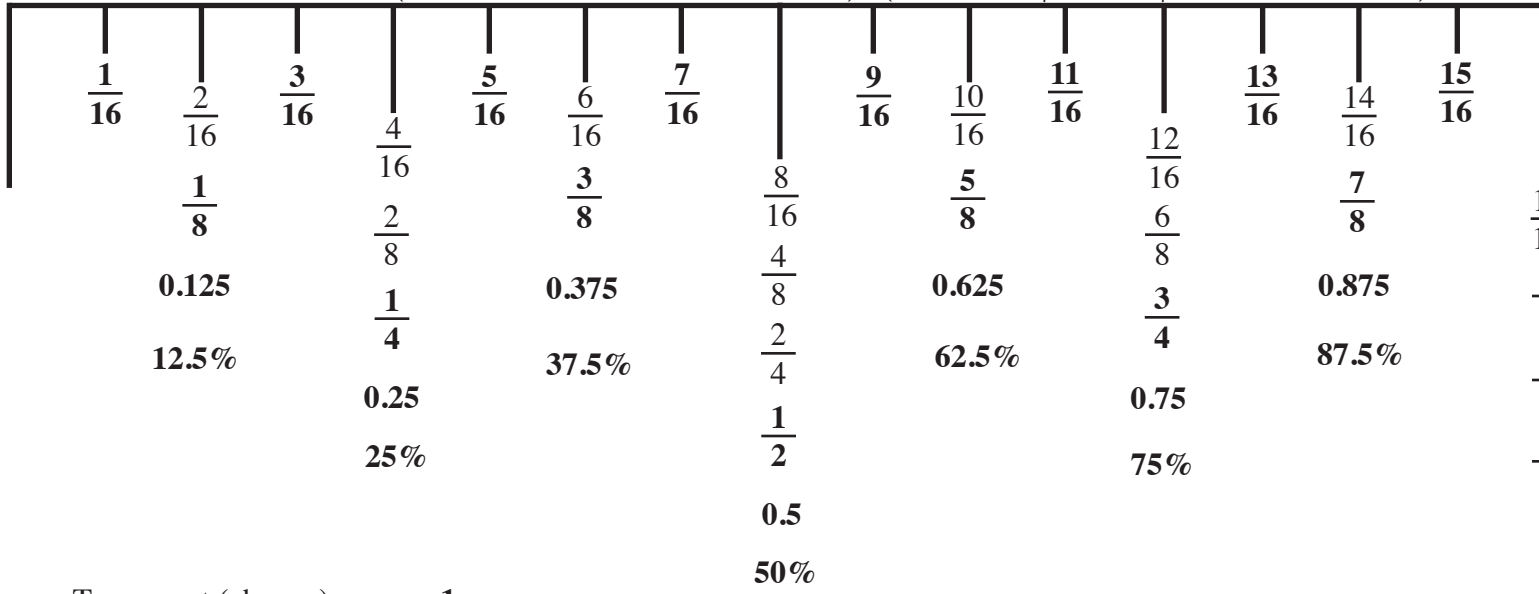


Enlarged Inch to review measuring parts **fractions / decimals / percents** (1 inch enlarged to 8 inches)
 (fractions in **bold** are in lowest terms) (decimal and percent equivalents are in **bold**)



To convert (change) any fraction to a decimal
 Divide the top number (numerator) by the bottom number (denominator)
 Using calculator
 1 divided by 4 $1 \div 4 = .25$

$$\begin{array}{r} .25 \\ 4 \overline{)1.00} \\ \underline{-8} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

12" inches = 1' foot 36 inches = 3 feet = 1 yard

To change a decimal to a percent move the decimal point two places to the right and add the % sign

To change a percent to a decimal move the decimal point two places to the left and drop the % sign.

Math Fun Facts & Helpful Hints

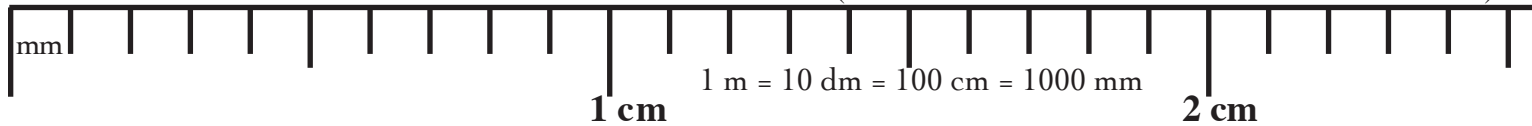
- 1 out of 4 quarters = \$0.25 (25¢)
- 2 out of 4 quarters = \$0.50 (50¢)
- 3 out of 4 quarters = \$0.75 (75¢)

Memorize these

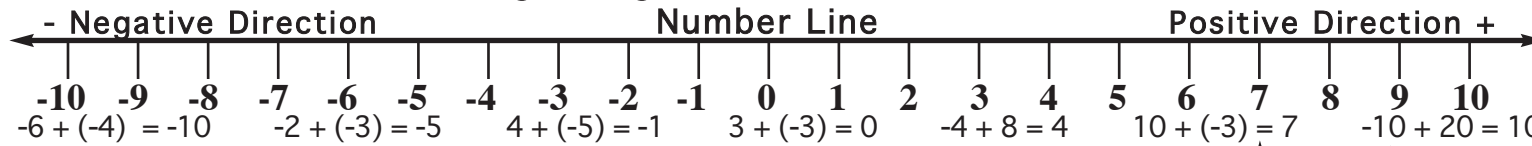
| Fractions | Decimals | Percents |
|----------------|--------------------|--------------------|
| $\frac{1}{2}$ | 0.5 | 50% |
| $\frac{1}{3}$ | 0.33 $\frac{1}{3}$ | 33 $\frac{1}{3}$ % |
| $\frac{1}{4}$ | 0.25 | 25% |
| $\frac{1}{5}$ | 0.2 | 20% |
| $\frac{1}{8}$ | 0.125 | 12.5% |
| $\frac{1}{10}$ | 0.1 | 10% |
| $\frac{2}{3}$ | 0.66 $\frac{2}{3}$ | 66 $\frac{2}{3}$ % |
| $\frac{3}{4}$ | 0.75 | 75% |

Enlarged Millimeters 10 Millimeters = 1 Centimeter 1 inch = 2.54 cm

An actual millimeter is the size of the thickness of a dime. (100 cents in 1 dollar 100 centimeters in 1 meter)

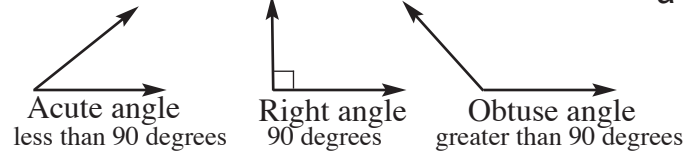


Adding Integers (positive & negative numbers)



The measure of a straight line is 180°
 The sum of the three angle measurements in any triangle is 180°

- Triangle Examples
- $30 + 60 + 90 = 180$
 - $45 + 45 + 90 = 180$
 - $110 + 50 + 20 = 180$
 - $25 + 72 + 83 = 180$
 - $90 + 37 + 53 = 180$



Algebra begins in 1st grade

$$2 + \square = 5 \quad \square - 3 = 4$$

$$2 + n = 5 \quad n - 3 = 4$$

In the triangle below

leg a = 3 leg b = 4
 hypotenuse c = 5
 (longest side)

$$a^2 + b^2 = c^2$$

