

C.Y.U.Q. - Prior to Assessment #1

VOCABULARY

Percent - a number expressed as a fraction out of 100, denoted by the percent symbol (%)

Ratio - a relationship in quantity or size between two or more things of the same type

Rate - when two things with different units are compared

Unit Rate - one quantity is compared to one unit of a different quantity

CONVERTING BETWEEN FRACTIONS, DECIMALS AND PERCENT

EASY

fraction	decimal	percent
$\frac{86}{100}$	0.86	86%

MEDIUM

fraction	decimal	percent
$\frac{16}{20}$ $\frac{80}{100}$	0.8	80%

$\xrightarrow{x5}$

HARD

fraction	decimal	percent
$\frac{31.2}{100} \times 10$ $\frac{312}{1000}$	0.312	31.2%

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SOLVING PERCENT PROBLEMS

EASY - Missing the Percent

What percent of 50 is 32?

$$\frac{32}{50} \xrightarrow{\times 2} \frac{64}{100} \quad 64\%$$

MEDIUM - Missing the Part

What is 93% of 910?

$$\begin{array}{r} 910 \\ \times .93 \\ \hline 2730 \\ + 81900 \\ \hline 846.30 \end{array}$$

HARD - Missing the Total

94 is 47% of what number?

$$\frac{94 \times 100}{47} \quad 47 \overline{) 9400}$$
$$\begin{array}{r} 200 \\ 47 \overline{) 9400} \\ \underline{-94} \downarrow \\ 00 \\ \underline{-0} \downarrow \\ 00 \\ \underline{-0} \\ 0 \end{array}$$