Percents

Solving Percent Problems Using the Percent Proportion

Review – Percents and Fractions

Write the percent as a fraction or mixed number in simplest form.

1) 12%   2) 88%   3) 0.8%

Write the fraction or mixed number as a percent.

4) $\dfrac{3}{5}$ 5) $1\dfrac{21}{50}$

Review – Percents and Decimals

Write the percent as a decimal.

6) 76%   7) 6%   8) 334%

Write the decimal as a percent.

9) 0.15   10) 1.24   11) 0.097

Solving percent problems using proportions.

$$\rule{4cm}{0.4pt} = \rule{2cm}{0.4pt}$$

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Review

Solving the following using a proportion.

1) **What percent of 40 is 4?**

Review

Solving the following using a proportion.

2)   **What number is 22% of 300**

Review

Solving the following using a proportion.

3)   84 is 70% of what number?

THE PERCENT EQUATION

(Decimal Method)

$$= \quad \bullet$$

Practice

$$part = \% \bullet whole$$

$$a = p \bullet w$$

1) What number is 20% of 110?

Practice

$$\boxed{\textbf{part} = \textbf{\%} \bullet \textbf{whole}}$$

$$a = p \bullet w$$

2)   The number 90 is 45% of what number?

Practice

3)   90 is what percent of 150?

Practice

4) A shoe salesperson sells a pair of shoes for $60. The salesperson receives a 9% commission on the sale. How much is the commission?

On Your Own

part = % ● whole

a = p ● w

5)   130 is 65% of what number?

On Your Own

6)   50 is what percent of 250?