

Tax, Tips & Markups 10/9

* Additional money you have to pay

Steps

- ① Use the Percent Proportion to Find the tax, tip or mark-up amount (is)
- ② Add amount From Step 1 to the original amount.

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Examples - Find the total cost

① \$18 breakfast
18% tip

$$\frac{\%}{100} = \frac{\text{IS}}{\text{of}}$$

$$\frac{18}{100} = \frac{x}{18}$$

$$\frac{100x}{100} = \frac{324}{100}$$

$$x = \$3.24 \leftarrow \text{tip}$$

$$18 + 3.24 = \boxed{\$21.24}$$

② \$185 Computer
6% Markup

$$\frac{6}{100} = \frac{x}{185}$$

$$\frac{100x}{100} = \frac{1110}{100}$$

$$x = \$11.10 \leftarrow \text{markup}$$

$$185 + 11.10 = \$196.10$$

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③ \$15 DVD
7.5% Tax

$$\frac{7.5}{100} = \frac{x}{15}$$

$$\frac{100x}{100} = \frac{112.5}{100}$$

$$x = \$1.125 \rightarrow \$1.13$$

$$15 + 1.13 = \boxed{\$16.13}$$

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