

\* If the bill for your lunch is \$8.00 and you leave a tip of 96¢, what percent of the cost of the meal was your tip?

0.96 is  $w\%$  of 8.00

tip is  $w\%$  of meal

96¢  
proportion

$$\frac{w}{100} = \frac{0.96}{8}$$

equation

$$\frac{0.96}{8} = \frac{w(8)}{8}$$

$$0.12 = w$$

0.12 change to %

$$0.12 (100\%) = 12\%$$

$$8w = 100(0.96)$$

$$\frac{8w}{8} = \frac{96}{8}$$

$$w = 12$$

12%

$$\begin{array}{r} .12 \\ 8 \overline{) 0.96} \\ \underline{-84} \\ 16 \\ \underline{-16} \\ 0 \end{array}$$

DANGER