

* Eight is 20% of what number?

$$\frac{20}{100} = \frac{8}{n}$$

$$20n = 100(8)$$

$$\frac{20n}{20} = \frac{800}{20}$$

$$n = 40$$

$$8 = 20\%(n)$$

$$8 = 0.2(n)$$

$$\frac{8}{0.2} = \frac{0.2(n)}{0.2}$$

$$40 = n$$

$$\begin{array}{r} 40 \\ 2 \overline{)80} \\ \underline{-8} \\ 00 \end{array}$$

$$0.2 \overline{)8.0}$$

$$\begin{array}{r} 40. \\ 2 \overline{)80.} \\ \underline{-8} \\ 00 \end{array}$$