

Percent of A number Notes.

Two Methods to find percent of a number

- 1.) Change percent to a decimal and multiply
- 2.) Set up a proportion and solve

$$\frac{15\% \text{ of } 40}{0.15 \times 40 = 6}$$

$$\frac{15}{100} = \frac{x}{40}$$

$$\frac{600}{100} = \frac{100x}{100}$$
$$6 = x$$

$$\frac{2\% \text{ of } 225}{0.02 \times 225 = 4.5}$$

$$\frac{2}{100} = \frac{x}{225}$$

$$2 \cdot 225 = 100x$$
$$450 = 100x$$
$$4.5 = x$$

$$\frac{115\% \text{ of } 42.75}{1.15 \times 42.75 = 49.1625}$$
$$49.16$$

$$\frac{7.9\% \text{ of } 1199.98}{0.079 \cdot 1199.98}$$
$$94.79842$$

is - equals } fourteen percent of thirty eight is equal to what
of - multiply } number? $14\% \times 38 = n$
 $5.32 = n$

What number is 84% of 36 $n = 84\% \times 36$
 $n = 30.24$

$$\frac{29n = 90}{0.02 \cdot 0.02}$$
$$n = 4500$$