

"Percent of" Equation Review: % of t is p.

There are 3 types of set-ups for these problems. Each problem will have 2 out of 3 parts---the percent, the part and the total (2 of these 3 parts).

1. What is 24% of 25? ← total

a. First, label the parts.

b. You have the percent and the total: multiply the two making sure you place the decimal in the product at the end (don't be careless).

$$\begin{array}{r} ^{25} \\ \times .24 \leftarrow 2 \text{ places} \\ \hline + 100 \\ 500 \\ \hline 6.00 \end{array}$$

check: 24% of 25 = 6.00
24% of 25

2. 40 is what percent of 80?

a. Label the parts ← t

b. You have the part and the total...this is a division problem. Always remember that part is over the total.

$$\frac{p}{t} = \frac{40}{80} = \frac{1}{2} = 50\%$$

Check: 40 is 50% of 80.
Is 40 half of 80?
yes