

NAME _____

HW #

2

Using the Percent Equation, complete #'s 1 - 6.

1. What number is 24% of 80?

$$n = 24\% \cdot 80$$

$$n = (0.24)(80)$$

$$n = 19.2$$

2. 15 is what percent of 40?

$$\frac{15}{40} = \frac{n\% \cdot 40}{40}$$

$$0.375 = n\%$$

$$37.5\%$$

3. 120% of what number is 102?

$$120\% \cdot n = 102$$

$$\frac{1.2n}{1.2} = \frac{102}{1.2}$$

$$n = 85$$

4. What percent of 300 is 51?

$$\frac{n\% \cdot 300}{300} = \frac{51}{300}$$

$$n\% = 0.17$$

$$17\%$$

5. 0.8% of 150 is what number?

$$0.8\% \cdot 150 = n$$

$$(0.008)(150) = n$$

$$1.2 = n$$

6. 48 is 75% of what number?

$$48 = 75\% \cdot n$$

$$\frac{48}{0.75} = \frac{0.75n}{0.75}$$

$$64 = n$$