

# Homework for Tuesday 3/19

Intro - p5

L1 - Solving Percent Problems using Proportions Worksheet

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Section: \_\_\_\_\_

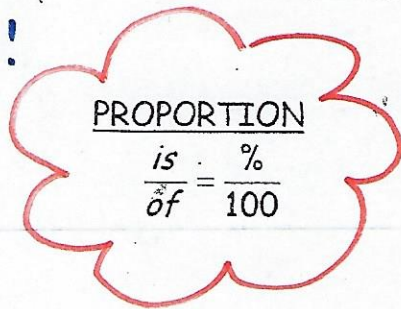
show your work!

REMEMBER:

"OF" number is always behind the word of

"%" number is the number with the percent sign

"IS" number will be in front of the word is or behind the word is



Write a proportion and then solve it for each problem. Be sure to show all the steps for solving a proportion. If necessary, round answers to the nearest tenth.

1. What number is 70% of 45?

$$\begin{array}{l} \frac{x}{45} = \frac{70}{100} \\ 100 \cdot x = 45 \cdot 70 \\ \frac{100x}{100} = \frac{3150}{100} \\ x = 31.50 \end{array}$$

1. x = 31.50

2. 23% of 75 is what number?

2. \_\_\_\_\_

3. 45 is what percent of 90?

3. \_\_\_\_\_

4. What percent of 77 is 7?

4. \_\_\_\_\_

5. 15 is 25% of what number?

5. \_\_\_\_\_

6. 18% of what number is 43?

6. \_\_\_\_\_