

NAME \_\_\_\_\_

DATE \_\_\_\_\_

SOLVING PERCENT SENTENCES: Worksheet 3

Fill in the blank.

- 1) Percent means out of \_\_\_\_\_.
- 2) The number after the word “of” is the total and is always on the \_\_\_\_\_ of the fraction.

Solve the following percent sentences.

- 3) 18% of what is 90?
- 4) 25% of what is 62?
- 5)  $87\frac{1}{2}\%$  of what is 21?
- 6) What percent of 90 is 45?
- 7) What percent of 120 is 6?
- 8) What percent of 24 is 15?
- 9) 39% of 400 is what?
- 10) 320% of 30 is what?

## KEY

### SOLVING PERCENT SENTENCES: Worksheet 3

Fill in the blank.

- 1) Percent means out of 100.
- 2) The number after the word "of" is the total and is always on the bottom of the fraction.

Solve the following percent sentences.

3) 18% of what is 90?       $\frac{18}{100} = \frac{90}{x}$        $100 \cdot 90 \div 18 = 500$

4) 25% of what is 62?       $\frac{25}{100} = \frac{62}{x}$        $100 \cdot 62 \div 25 = 248$

5)  $87\frac{1}{2}\%$  of what is 21?       $\frac{87.5}{100} = \frac{21}{x}$        $100 \cdot 21 \div 87.5 = 24$

6) What percent of 90 is 45?       $\frac{x}{100} = \frac{45}{90}$        $100 \cdot 45 \div 90 = 50$

7) What percent of 120 is 6?       $\frac{x}{100} = \frac{6}{120}$        $100 \cdot 6 \div 120 = 5$

8) What percent of 24 is 15?       $\frac{x}{100} = \frac{15}{24}$        $100 \cdot 15 \div 24 = 62.5$

9) 39% of 400 is what?       $\frac{39}{100} = \frac{x}{400}$        $39 \cdot 400 \div 100 = 156$

10) 320% of 30 is what?       $\frac{320}{100} = \frac{x}{30}$        $320 \cdot 30 \div 100 = 96$