

Percent Problem Worksheet

Complete the following percent problems. Show your work. Write your answer in a sentence.

$$\boxed{\frac{\text{is}}{\text{of}} = \frac{\%}{100}}$$

1. What percent of 198 is 99?

6. 25% of what number is 6?

$$\frac{99}{198} = \frac{x}{100} \quad \frac{9900}{198} = \frac{198x}{198}$$

50% of 198 is 99. $x=50$

2. What is 60% of 50?

7. 50% of what number is 99?

3. 7 is what percent of 14?

8. What is 50% of 144?

4. 100% of what number is 44?

9. What percent of 128 is 64?

5. What percent of 174 is 87?

10. What percent of 146 is 73?

Quick Review

1. Undo the equation by doing the opposite operation(s). You must do the same thing to both sides.

2. For two-step equations, undo the addition or subtraction first. Show your work.

Addition \longleftrightarrow Subtraction

Multiplication \longleftrightarrow Division



Solve for x . Then complete the maze by following your answers in order.

1. $x + 6 = 23$ $x =$ _____

2. $5x = 75$ $x =$ _____

3. $x - 9 = -12$ $x =$ _____

4. $\frac{x}{-4} = 3$ $x =$ _____

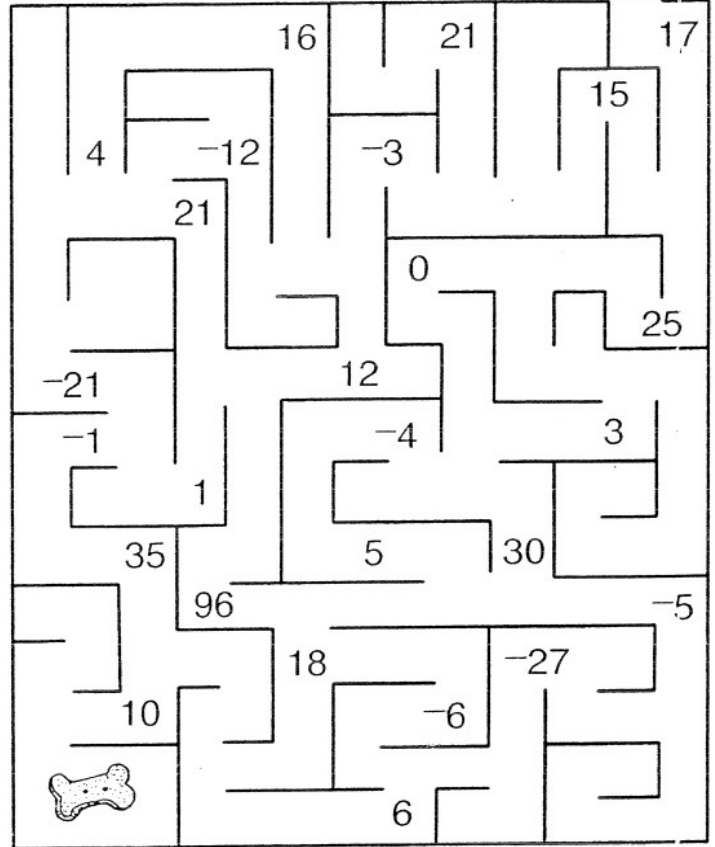
5. $7 - 1x = 28$ $x =$ -21

~~$7 - 1x = 28$~~
 ~~$-1x = 21$~~
 ~~$x = -21$~~

6. $3x + 3 = 6$ $x =$ _____

7. $\frac{x}{12} - 4 = 4$ $x =$ _____

8. $7x - 12 = -47$ $x =$ _____



9. $\frac{x}{3} + 10 = 1$ $x =$ _____

10. $1 - 2x = 13$ $x =$ _____

11. $\frac{x}{6} - 6 = -3$ $x =$ _____

12. $7 - \frac{x}{5} = 5$ $x =$ _____