



# Algebraic Equations

Math  
F

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 To solve the equation,  $m + 4 = 28$ , which operation should be used? Underline it.

addition

subtraction

multiplication

division

6 Solve this equation using inverse operations.

$$6n - 12 = 42$$

2 Solve this equation using inverse operations.

$$n - 7 = 35$$

7 Solve this equation using inverse operations.

$$4n = 32$$

3 Solve this operation

$$11 + d$$



## PREVIEW

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4 What operation should be used to solve the equation using inverse operations?

addition

subtraction

multiplication

division

9 You have \$200 in the bank and it earns 3% interest per year. How much interest do you earn in one year?

$$I = P \cdot r \cdot t$$



5 Solve the equation.

Two times n plus twenty-eight equals ninety-six.

10 If  $P = \$25,000$ ,  $t = 2$  years, and the interest received is \$5,500, what is the annual interest rate? Circle it.

$$I = P \cdot r \cdot t$$

1.1%

2.2%

11%

22%



# Algebraic Equations - Answer Key

Math  
F

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 To solve the equation,  $m + 4 = 28$ , which operation should be used? Underline it.

addition

subtraction

multiplication

division

2 Solve this equation using inverse operations.

$$n - 7 = 35$$

$$n = 35$$

3 Solve this operation

$$11 + d$$

$$d = 66$$

4 What operation should you use to solve the equation using inverse operations?

addition

subtraction

multiplication

division

5 Solve the equation.

Two times  $n$  plus twenty-eight equals ninety-six.

$$2n + 28 = 96$$

$$2n = 96 - 28 = 68$$

$$n = 68 \div 2 = 34$$

6 Solve this equation using inverse operations.

$$6n - 12 = 42$$

$$6n = 42 + 12$$

$$n = 54 \div 6 = 9$$

7 Solve this equation using inverse operations.

$$4n = 32$$



## PREVIEW

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9 You have \$200 in the bank and it earns 3% interest per year. How much interest do you earn in one year?

$$I = P \cdot r \cdot t$$

$$I = \$200 \cdot .03 \cdot 1 = \$6$$



10 If  $P = \$25,000$ ,  $t = 2$  years, and the interest received is \$5,500, what is the annual interest rate? Circle it.

$$I = P \cdot r \cdot t$$

1.1%

2.2%

**11%**

22%