



Name \_\_\_\_\_

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**Working Backward with Addition, Subtraction, Multiplication, and Division**

*Word Problems*

(4.OA.3)

**Directions:** Solve the following using numbers, pictures, and words. 😊

①  $Q$  is a number. When subtracted from 12, then multiplied by 8, the product is 24. What is  $q$ ?

②  $T$  is a number. When added to 14, then divided by 2, the quotient is 32. What is  $t$ ?

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### Key

1  $12 - q = ?$   
 $? \times 8 = 24$

$$24 \div 8 = 3$$

$$12 - 3 = 9$$

$$q = 9$$

2  $14 + t = ?$   
 $? \div 2 = 32$

$$32 \times 2 = 64$$

$$64 - 14 = 50$$

$$t = 50$$