



Name _____

Date _____

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

$$32 \times 2 = 64$$

$$64 - 14 = 50$$

$$t = 50$$