Writing One-Step Equations

Write an equation to match each situation.

1. Mr. Klein’s class is selling candy for a fundraiser. The class has a goal of raising $450 for selling \(c\) boxes of candy. Each box of candy costs $3.75.

   Equation: ___________________________

2. Chelsea earned $43.75 walking her neighbor’s dogs. She walked \(d\) dogs for $8.75 each.

   Equation: ___________________________

3. Logan bought a total of 3.6 pounds of fruit at the farmer’s market. He bought 1.9 pounds of apples and \(p\) pounds of peaches.

   Equation: ___________________________

4. Kelly is building a playpen for her dog. The area of the playpen is 22.75 square feet. The length is 6.5 feet and the width is \(w\) feet.

   Equation: ___________________________

5. Carter has saved $27.50 of his allowance money. He bought his sister ice cream for $3.75 and has \(d\) dollars left.

   Equation: ___________________________
6. Haley received $278.25 in her paycheck for working $h$ hours this week. She makes $13.25 per hour.

Equation: _______________________

7. Jeremiah and Ivan ran a total of 8.4 miles. Ivan ran 4.1 miles and Jeremiah ran $m$ miles.

Equation: _______________________

9. Andre drove 117 miles home from college. It took him 2.25 hours since he traveled $x$ miles per hour.

Equation: _______________________

10. Maria bought $g$ gallons of gas, spending a total of $43.95. Each gallon of gas costs $2.93.

Equation: _______________________

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Writing One-Step Equations

1. Mr. Klein’s class is selling candy for a fundraiser. The class has a goal of raising $450 for selling \( c \) boxes of candy. Each box of candy costs $3.75.

   Equation: \( 3.75c = 450 \)

2. Chelsea earned $43.75 walking her neighbor’s dogs. She walked \( d \) dogs for $8.75 each.

   Equation: \( 8.75d = 43.75 \)

3. Logan bought a total of 3.6 pounds of fruit at the farmer’s market. He bought 1.9 pounds of apples and \( p \) pounds of peaches.

   Equation: \( 1.9 + p = 3.6 \)

4. Kelly is building a playpen for her dog. The area of the playpen is 22.75 square feet. The length is 6.5 feet and the width is \( w \) feet.

   Equation: \( 6.5w = 22.75 \)

5. Carter has saved $27.50 of his allowance money. He bought his sister ice cream for $3.75 and has \( d \) dollars left.

   Equation: \( 27.50 - 3.75 = d \)

6. Haley received $278.25 in her paycheck for working \( h \) hours this week. She makes $13.25 per hour.

   Equation: \( 13.25h = 278.25 \)

7. Jeremiah and Ivan ran a total of 8.4 miles. Ivan ran 4.1 miles and Jeremiah ran \( m \) miles.

   Equation: \( 4.1 + m = 8.4 \)

8. Jessica has a weight loss goal of 20 pounds. She has already lost 6.2 pounds and has \( p \) more pounds to go.

   Equation: \( 20 - 6.2 = p \)

9. Andre drove 1 17 miles home from college. It took him 2.25 hours since he traveled \( x \) miles per hour.

   Equation: \( 2.25x = 117 \)

10. Maria bought \( g \) gallons of gas, spending a total of $43.95. Each gallon of gas costs $2.93.

    Equation: \( 2.93g = 43.95 \)

Note: equations may vary