

## 4-1 Additional Practice

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In 1–10, tell which given value, if any, is the solution of the equation.

1.  $5.6 = l + 4.09$

$l = 0.7, 0.97, 1.51, 9.69$

2.  $5k = 65$

$k = 11, 12, 13, 14$

3.  $t - \$5.60 = \$1.04$

$t = \$6.00, \$6.10, \$6.64, \$7.00$

4.  $133 \div y = 19$

$y = 6, 7, 8, 9$

5.  $14 = \frac{u}{6}$

$u = 78, 81, 84, 90$

6.  $9 + a = 46$

$a = 37, 39, 41, 55$

7.  $6.8 = 2.89 + m$

$m = 3.9, 3.91, 4, 4.11$

8.  $8c = 64$

$c = 6, 7, 8, 9$

9.  $d \div 5.20 = 2.40$

$d = 10.92, 16.12, 17.68$

10.  $m - 63.28 = 14.92$   $m = 77.86, 78.15, 79.20$

11. Anton walked 8.9 miles of his 13.5-mile goal for this week. Use the equation  $m + 8.9 = 13.5$  to find which path Anton should walk so that he meets his goal for the week.

Path Lengths

Meadow Path	3.2 miles
Circle Path	4.2 miles
Oak Tree Path	4.6 miles

12. Brandon has 132 petunia plants and 6 planters. He and his helpers will put  $x$  plants in each planter and have none left over. Which of Brandon's three helpers, if any, correctly guessed how many plants are to be planted in each planter? Use the equation  $6x = 132$ .

Helper	Guess
Troy	20 plants
Bethany	25 plants
Lacy	30 plants



Name: \_\_\_\_\_

## 4-2 Additional Practice



In 1-6, tell which property of equality was used.

1.  $49 = \frac{245}{v}$   
 $49 \times 65 = \left(\frac{245}{v}\right) \times 65$

2.  $14 + s = 28$   
 $(14 + s) - 2 = 28 - 2$

3.  $4y = 48$   
 $4y \div 4 = 48 \div 4$

4.  $88 = 33 + 5x$   
 $88 - 33 = (33 + 5x) - 33$

5.  $d - 33 = 34$   
 $d - 33 + 33 = 34 + (30 + 3)$

6.  $3m + 14 = 19$   
 $3m + 14 - 14 = 19 - (19 - 5)$

In 7-12, answer yes or no and explain why or why not.

7. If  $10 \times 3 = 30$ , does  $10 \times 3 + 4 = 30 + 5$ ?


8. If  $8n = 180$ , does  $8n \div 8 = 180 \div 8$ ?

9. If  $d \div 3 = 10$ , does  $d \div 3 + 3 = 10 + 3$ ?

10. If  $12 - 2 = 10$ , does  $12 - 2 - 3 = 10 - 2$ ?

11. If  $4s - 2 = 12$ , does  $(4s - 2) \div 2 = 12 \div 2$ ?

12. If  $\frac{g}{5} = 8 + 9$ , does  $\frac{g}{5} + 9 = 8 + 9$ ?

**13. Critique Reasoning** In math class, you are checking how a friend balanced an equation. His work is at the right. What error did your friend make? Explain.  MP.3

Unbalanced equation:

$$16 \div 8 = 16 \div 8 - 1$$

Balanced equation:

$$16 \div 8 + 1 = 16 \div 8 - 1$$