

Name: _____



PRACTICE



TUTORIAL

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



In 13 and 14, use the table.

13. **Higher Order Thinking** James bought a movie ticket and popcorn for \$12.20. The movie ticket cost \$8.45. Use the equation $c + \$8.45 = \12.20 to find which size popcorn James bought. How much change did James get if he paid with a \$20 bill?

Cost of Popcorn	
Small	\$2.85
Medium	\$3.75
Large	\$4.75
Extra Large	\$4.85

14. **Reasoning** Kyle bought a movie ticket for \$8.45 and a drink for \$1.80. He had just enough money remaining to buy a large popcorn. How much money did Kyle start with? Write an equation to show your reasoning.

15. Nadia made 56 muffins. She wants to fill each treat bag with 8 muffins. Nadia bought 7 bags. Use the equation $56 \div b = 8$ to explain whether Nadia bought enough bags.

16. A math exercise states that the circumference of a certain circle is 23.55 inches with diameter d and π rounded to 3.14. Larry says the diameter is 5 inches; Rosie says it is 8 inches; and Rashida says it is 6.5 inches. Which, if any, of the students is correct? Use the equation $3.14d = 23.55$ to justify your answer.

Assessment Practice

17. Jerry built a table with a square top. The perimeter of the tabletop is 18 feet. He knows that the side length of the table is 3, $3\frac{1}{4}$, 4, or $4\frac{1}{2}$ feet. Use the equation $18 = 4s$, where s is the side length of the table, to determine the side length of the tabletop.

