

Pretest

Use the four-step plan to solve the problem.

1. A pet store sells dog food in a 3-pound bag for \$12.00 and a 5-pound bag for \$14.25. Which bag of dog food is the better buy? Explain

1. _____

Evaluate each expression.

2. $9 + 2(4)$

2. _____

3. $5 \cdot 2 - 6$

3. _____

Translate each phrase into a numerical or algebraic expression.

4. money earned tutoring at \$15 per hour

4. _____

5. the total number of rings if you had two and bought three more

5. _____

6. 15 more adults than children

6. _____

Evaluate each expression if $x = 2$, $y = 10$, and $z = 5$.

7. $y - 4$

7. _____

8. $\frac{xy}{z}$

8. _____

Name the property shown by each statement.

9. $15 \cdot 17 = 17 \cdot 15$

9. _____

10. $8 + 0 = 8$

10. _____

Simplify each expression.

11. $4 \cdot (w \cdot 3)$

11. _____

12. $12 + (6 + m)$

12. _____

Graph and label each point on the coordinate plane.

13. $A(-4, -2)$

14. $B(-1, 1)$

15. $C(2, 4)$

13–15.

