Name _____ Date Answer Key

Writing Variable Expressions: Two Operations

Directions: Write a variable expression for each verbal expression.

Student answers may vary.

1. the product of 5 and h, then increase the result by 3

   $5 \cdot h + 3$

2. the quotient of z and 8, then decrease the result by 10

   $\frac{z}{8} - 10$

3. 9 less than k, then add a to the result

   $k - 9 + a$

4. the product of z and 3, then take away 9 from the result

   $3 \cdot z - 9$

5. t minus 9, then decrease the result by c

   $t - 9 - c$

6. divide v by 7, then increase the result by 13

   $\frac{v}{7} + 13$

7. the product of m and w increased by 17

   $m \cdot w + 17$

8. divide y by 12, then subtract 16 from the result

   $\frac{y}{12} - 16$

9. 5 more than the product of b and q

   $5 + b \cdot q$

10. 6 less than the result of 8 divided by f

    $\frac{8}{f} - 6$

11. 11 more than p raised to the 3rd power

    $11 + p^3$

12. the product of 14 and g squared

    $14 \cdot g^2$

13. the product of 3 and the sum of r and 20

    $3 \cdot (r + 20)$

14. twice the result of n decreased by 10

    $2 \cdot (n - 10)$

15. 4 less than c raised to the 4th power

    $c^4 - 4$

16. divide 17 by the sum of d and 9

    $\frac{17}{d + 9}$