

**Translating Phrases: Multi-Step Equations**

ES1

Translate each verbal phrase into an algebraic expression.

- 1) Twice the difference between 6 times h and 3 gives 30 \_\_\_\_\_
- 2) Sum of 5 times z and 4 divided by two is 7 \_\_\_\_\_
- 3) Twenty-two minus the product of 7 and y yields 1 \_\_\_\_\_
- 4) Quotient of 8 lowered by 2 times t and 3 is two \_\_\_\_\_
- 5) Three-fourths of x added to twice of x gives 11 \_\_\_\_\_
- 6) 5 times together of 6 and 4 multiplied by g is equivalent to 50 \_\_\_\_\_
- 7) Altogether of 9 and two-thirds of k alike 13 \_\_\_\_\_
- 8) 7 raised by thrice of c dropped by factor of five is 2 \_\_\_\_\_
- 9) 8 divides total of 3 times f and six equals 3 \_\_\_\_\_
- 10) Volume of 8 and the product of 5 and q increased by 6 yields 88 \_\_\_\_\_

**Answer Key****Translating Phrases: Multi-Step Equations**

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Translate each verbal phrase into an algebraic expression.

- 1) Twice the difference between 6 times h and 3 gives 30  $2(6h - 3) = 30$
  
- 2) Sum of 5 times z and 4 divided by two is 7  $\frac{5z + 4}{2} = 7$
  
- 3) Twenty-two minus the product of 7 and y yields 1  $22 - 7y = 1$
  
- 4) Quotient of 8 lowered by 2 times t and 3 is two  $\frac{8 - 2t}{3} = 2$
  
- 5) Three-fourths of x added to twice of x gives 11  $\frac{3x}{4} + 2x = 11$
  
- 6) 5 times together of 6 and 4 multiplied by g is equivalent to 50  $5(6 + 4g) = 50$
  
- 7) Altogether of 9 and two-thirds of k alike 13  $9 + \frac{2k}{3} = 13$
  
- 8) 7 raised by thrice of c dropped by factor of five is 2  $\frac{7 + 3c}{5} = 2$
  
- 9) 8 divides total of 3 times f and six equals 3  $\frac{3f + 6}{8} = 3$
  
- 10) Volume of 8 and the product of 5 and q increased by 6 yields 88  $8(5q + 6) = 88$