Translating Phrases: Two-Step Equations

ES1

Translate each verbal phrase into an algebraic expression.

1) Product of 2 and the difference between t and 1 is 14   _____

2) The quotient of e plus 2 and 5 results in 4   _____

3) Combine 3 and 5 times j gives 18   _____

4) Subtract 3 from quarter of g is 6   _____

5) 4 multiplied by the sum of y and 7 is equal to 16   _____

6) Twice of x diminished by 9 equals 5 times x   _____

7) 3 divides the difference between h and 4 represents 5   _____

8) Triple b less 4 equals 8   _____

9) Half of k increased by 1 is equivalent to 7   _____

10) Subtract 4 from thrice of c is 7 times c   _____

Answer Key

Translating Phrases: Two-Step Equations ES1

Translate each verbal phrase into an algebraic expression.

1) Product of 2 and the difference between t and 1 is 14

$2(t - 1) = 14$

2) The quotient of e plus 2 and 5 results in 4

$\dfrac{e + 2}{5} = 4$

3) Combine 3 and 5 times j gives 18

$3 + 5j = 18$

4) Subtract 3 from quarter of g is 6

$\dfrac{g}{4} - 3 = 6$

5) 4 multiplied by the sum of y and 7 is equal to 16

$4(y + 7) = 16$

6) Twice of x diminished by 9 equals 5 times x

$2x - 9 = 5x$

7) 3 divides the difference between h and 4 represents 5

$\dfrac{h - 4}{3} = 5$

8) Triple b less 4 equals 8

$3b - 4 = 8$

9) Half of k increased by 1 is equivalent to 7

$\dfrac{k}{2} + 1 = 7$

10) Subtract 4 from thrice of c is 7 times c

$3c - 4 = 7c$