

Name : _____

Translating Phrases: Two-Step Equations

ES1

Translate each verbal phrase into an algebraic equation.

- 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 _____

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Answer Key

Translating Phrases: Two-Step Equations

ES1

Translate each verbal phrase into an algebraic equation.

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

$$\underline{2(t - 1) = 14}$$

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

$$\underline{\frac{e + 2}{5} = 4}$$

3) Combine 3 and 5 times j gives 18

$$\underline{3 + 5j = 18}$$

4) Subtract 3 from quarter of g is 6

$$\underline{\frac{g}{4} - 3 = 6}$$

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

$$\underline{4(y + 7) = 16}$$

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

$$\underline{2x - 9 = 5x}$$

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

$$\underline{\frac{h - 4}{3} = 5}$$

8) Triple b less 4 equals 8

$$\underline{3b - 4 = 8}$$

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

$$\underline{\frac{k}{2} + 1 = 7}$$

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

$$\underline{3c - 4 = 7c}$$