

Name : \_\_\_\_\_

## Translating Phrases: Multi-Step Equations

ES1

Translate each verbal phrase into an algebraic equation.

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 mi

\_\_\_\_\_

4) Quotient of 8 l

\_\_\_\_\_

5) Three-fourths c

\_\_\_\_\_

6) 5 times togeth

50

\_\_\_\_\_

7) Altogether of 9

\_\_\_\_\_

8) 7 raised by thrice or c dropped by factor of five is z

\_\_\_\_\_

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

\_\_\_\_\_

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## Answer Key

### Translating Phrases: Multi-Step Equations

ES1

Translate each verbal phrase into an algebraic equation.

1) Twice the difference between 6 times h and 3 gives 30

$$\underline{2(6h - 3) = 30}$$

2) Sum of 5 times z and 4 divided by two is 7

$$\underline{\frac{5z + 4}{2} = 7}$$

3) Twenty-two minus 7 times y is 1

$$\underline{22 - 7y = 1}$$

4) Quotient of 8 less than t and 3 is 2

$$\underline{\frac{8 - 2t}{3} = 2}$$

5) Three-fourths of x plus 2x is 11

$$\underline{\frac{3x}{4} + 2x = 11}$$

6) 5 times the sum of 6 and g is 50

$$\underline{5(6 + 4g) = 50}$$

7) Altogether of 9 plus two-thirds of k is 13

$$\underline{9 + \frac{2k}{3} = 13}$$

8) 7 raised by thrice of c dropped by factor of five is 2

$$\underline{\frac{7 + 3c}{5} = 2}$$

9) 8 divides total of 3 times f and six equals 3

$$\underline{\frac{3f + 6}{8} = 3}$$

10) Volume of 8 and the product of 5 and q increased by 6 yields 88

$$\underline{8(5q + 6) = 88}$$

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