

Name : _____

Translating Phrases: Multi-Step Equations

Sheet 1

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 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

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Translating Phrases: Multi-Step Equations

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 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 2k 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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