

Name : _____

Translating Phrases: Multi-Step Equations

Sheet 2

Translate each verbal phrase into an algebraic equation.

1) Thirty-five take away y reduced by factor of five is 5

2) Combine two-thirds of h and 26 corresponds to 34

3) Product of 4 and

4) Five-sevenths of

5) Three divides 4

6) Thrice the sum of

7) x diminished by

8) Difference between 25 and factor of h and j will be 5

9) Ratio of sum of fifteen and seven times h to three is 12

10) 3 multiplied by the double of f minus nine equivalent to fifteen

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Answer Key

Sheet 2

Translating Phrases: Multi-Step Equations

Translate each verbal phrase into an algebraic equation.

1) Thirty-five take away y reduced by factor of five is 5

$$\frac{35 - y}{5} = 5$$

2) Combine two-thirds of h and 26 corresponds to 34

$$\frac{2h}{3} + 26 = 34$$

3) Product of 4 and z minus 14 is 18

$$6(4z - 14) = 18$$

4) Five-sevenths of x minus 2 is 14

$$19 - \frac{5x}{7} = 14$$

5) Three divides 4 times t plus 5 is 11

$$\frac{4t + 5}{3} = 11$$

6) Thrice the sum of z and 1 is 30

$$3(9z + 1) = 30$$

7) x diminished by three times x is 10

$$x - \frac{3x}{5} = 10$$

8) Difference between 25 and factor of h and j will be 3

$$25 - 11j = 3$$

9) Ratio of sum of fifteen and seven times h to three is 12

$$\frac{15 + 7h}{3} = 12$$

10) 3 multiplied by the double of f minus nine equivalent to fifteen

$$3(2f - 9) = 15$$

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