

Name : _____

Translating Phrases: Multi-Step Equations

MS1

Translate each verbal phrase into an algebraic equation.

1) Twice y increased by one-third coincides with 4 times y

2) Thrice the square of m diminished by 5 gives 22

3) Sum of three- q

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4) Difference betw
yields 6

5) The ratio of the

6) 6 times z gives

7) Product of 3 an

8) 4 divides the difference between 25 and the square of n
equals 6

9) 5 is added to one-seventh of the square of d corresponds to 54

10) Sum of 14 and 8 times t divided by 6 gives five

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Answer Key

Translating Phrases: Multi-Step Equations

MS1

Translate each verbal phrase into an algebraic equation.

1) Twice y increased by one-third coincides with 4 times y

$$\underline{2y + \frac{1}{3} = 4y}$$

2) Thrice the square of m diminished by 5 gives 22

$$\underline{3m^2 - 5 = 22}$$

3) Sum of three-q

PREVIEW

$$\underline{\frac{3}{4} + 2k^3 = 1}$$

4) Difference betw
yields 6

$$\underline{3(4x - \frac{1}{5}) = 6}$$

5) The ratio of the

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$$\underline{\frac{n^2}{5} - 4 = 1}$$

6) 6 times z gives

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$$\underline{6z = 3z + 5}$$

7) Product of 3 an

$$\underline{3h^3 + \frac{1}{9} = 1}$$

8) 4 divides the difference between 28 and the square of k
equals 6

$$\underline{\frac{28 - k^2}{4} = 6}$$

9) 5 is added to one-seventh of the square of d corresponds to 54

$$\underline{5 + \frac{d^2}{7} = 54}$$

10) Sum of 14 and 8 times t divided by 6 gives five

$$\underline{\frac{14 + 8t}{6} = 5}$$