

Name : _____

Translating Phrases: One-Step Equations

MS3

Translate each verbal phrase into an algebraic equation.

1) Total of 1 and y is one-quarter

2) The cube of h gives 8

3) x reduced by k

4) Product of a and b

5) The square of m

6) One-half of p

7) 5 decreased by n

8) Power 3 of y gives 64

9) Sum of q and 10 is 20

10) 5 divides t gives 7

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Answer Key

Translating Phrases: One-Step Equations

MS3

Translate each verbal phrase into an algebraic equation.

1) Total of 1 and y is one-quarter

$$1 + y = \frac{1}{4}$$

2) The cube of h gives 8

$$h^3 = 8$$

3) x reduced by 1 is 6

$$x - \frac{1}{5} = 6$$

4) Product of 5 and c is 55

$$5c = 55$$

5) The square of v is 36

$$v^2 = 36$$

6) One-half plus k is 4

$$\frac{1}{2} + k = 4$$

7) 5 decreased by z is 1/3

$$5 - z = \frac{1}{3}$$

8) Power 3 of y gives 64

$$y^3 = 64$$

9) Sum of q and 10 is 20

$$q + 10 = 20$$

10) 5 divides t gives 7

$$\frac{t}{5} = 7$$

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