

Name : _____

Translating Phrases: Two-Step Equations

ES3

Translate each verbal phrase into an algebraic equation.

1) Thrice the difference between h and 8 equals 12

2) 6 added to 7 times b gives 20

3) The quotient of

4) Subtract 24 from

5) The total of 11

6) 6 reduced by

7) The quotient of

8) Subtract 1 from the ratio of v and 3 is same as 7

9) Triple the difference between w and 2 is 15

10) Thrice q added to 21 equals 10 times q

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Translating Phrases: Two-Step Equations

Translate each verbal phrase into an algebraic equation.

1) Thrice the difference between h and 8 equals 12

$$\underline{3(h - 8) = 12}$$

2) 6 added to 7 times b gives 20

$$\underline{7b + 6 = 20}$$

3) The quotient of j and 3 is 2

$$\underline{\frac{j + 9}{3} = 2}$$

4) Subtract 24 from 2g

$$\underline{2g - 24 = 8g}$$

5) The total of 11 and x is 15

$$\underline{11 + \frac{x}{2} = 15}$$

6) 6 reduced by 3s is 9

$$\underline{6 - 3s = 9}$$

7) The quotient of n and 4 is 8

$$\underline{\frac{n - 5}{4} = 8}$$

8) Subtract 1 from the ratio of v and 3 is same as 7

$$\underline{\frac{v}{3} - 1 = 7}$$

9) Triple the difference between w and 2 is 15

$$\underline{3(w - 2) = 15}$$

10) Thrice q added to 21 equals 10 times q

$$\underline{3q + 21 = 10q}$$

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