



Translate Phrases into an Algebraic Statement

Name: _____

Date: _____



Write an algebraic expression for each phrase.

- 1) t divided by 8.
- 2) The product of 9 and n .
- 3) Subtract 5 from c .
- 4) Seven less than a number equals ten.
- 5) Twice a number.
- 6) The square of a number.
- 7) Twice the sum of a number and 3 is twelve.
- 8) Subtract 8 from z .
- 9) The difference between y and 12 is 25.
- 10) Two decreased by three times a number is nine.
- 11) 5 more than 2 times a number.
- 12) Subtract the product of x and b from 15.
- 13) four divided by a number.
- 14) a number y to the power of sixty-four.
- 15) four times a number, plus nine.
- 16) three times b reduced by the square of y .



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Answers



Write an algebraic expression for each phrase.

1) t divided by 8. $\Rightarrow \frac{t}{8}$

2) The product of 9 and n. $\Rightarrow 9 \times m$

3) Subtract 5 from c. $\Rightarrow c - 5$

4) Seven less than a number equals ten. $\Rightarrow x - 7 = 10$

5) Twice a number. $\Rightarrow 2x$

6) The square of a number. $\Rightarrow x^2$

7) Twice the sum of a number and 3 is twelve. $\Rightarrow 2 \times (x + 3) = 12$

8) Subtract 8 from z. $\Rightarrow z - 8$

9) The difference between y and 12 is 25. $\Rightarrow y - 12 = 25$

10) Two decreased by three times a number is nine. $\Rightarrow 2 - 3x = 9$

11) 5 more than 2 times a number. $\Rightarrow 2x + 5$

12) Subtract the product of x and b from 15. $\Rightarrow 15 - xy$

13) four divided by a number. $\Rightarrow \frac{4}{y}$

14) a number y to the power of sixty-four. $\Rightarrow y^{64}$

15) four times a number, plus nine. $\Rightarrow 4x + 9$

16) three times b reduced by the square of y. $\Rightarrow 3b - y^2$

