

Solve each equation.

$$y + 24 = 85$$

$-24 \quad -24$

$$y = 61$$

Solve each equation.

$$17 = x - 13$$

$+13 \quad +13$

$$30 = x$$

Solve each equation.

$$a + 5 = 5$$

$$\begin{array}{r} -5 \quad -5 \\ a + 5 = 5 \end{array}$$

$$\boxed{a = 0}$$

Solve each equation.

$$48 = 12z$$

$$\begin{array}{r} \div 12 \quad \div 12 \\ 48 = 12z \end{array}$$

$$\boxed{4 = z}$$

Translate each phrase into an algebraic expression:

Five more than x

$$x + 5 \text{ or } 5 + x$$

Translate each phrase into an algebraic expression:

The product of b & five

$$5b \text{ or } b \cdot 5$$

Translate each phrase into an algebraic expression:

Ten less than y

$$y - 10$$

Translate each phrase into an algebraic expression:

A number divided by six

Let n be a number.

$$n \div 6 \quad \frac{n}{6}$$

Translate each phrase into an algebraic expression:

Seven times a number plus two

Let n be a number.

$$7n + 2$$

Write a verbal phrase for each algebraic expression:

$$8 \div n$$

The quotient of eight and a number

Eight divided by n

Write a verbal phrase for each algebraic expression:

$$1 - y$$

One less y

y less than one

One decreased by y

One minus y

Subtract y from one

Translate each phrase into an algebraic expression:

$$2(n + 5)$$

Twice the sum of a number and five

Two times the sum of n and five

Two multiplied by the sum of n and five

The product of two and the sum of n and five