

Algebra Action! ANSWER SHEET

Value of The Expression

A variable represents the unknown number in the expression or equation.
For example, $4 \times t = 12$. The letter "t" represents the number which multiplies by 4 to equal 12.

An expression in math is a sentence containing numbers and the operations. Below are examples of expressions:

$2 + 3$

$17 - 16 + 2$

$\frac{2}{5}x$

6

$(3 \times 5) - (6 \times 2)$

$y - 20$

We can find the value of the expression $7 + y$ by placing the variable with the number.
For example: if $y = 5$

1. Put 5 in the place of y

$$7 + y$$

$$7 + 5$$

2. Calculate it

$$7 + 5 = 12$$

Find the value of the expressions below. Show your work.

$$17 - h$$

If $h = 4$

$$17 - h$$

$$17 - 4 = 13$$

$$4 + y + 7$$

If $y = 8$

$$4 + y + 7$$

$$4 + 8 + 7 = 19$$

$$(12 - b) + 5$$

If $b = 3$

$$(12 - b) + 5$$

$$(12 - 3) + 5 = 14$$

$$(5 \times m) + 1$$

If $m = 6$

$$(5 \times m) + 1$$

$$(5 \times 6) + 1 = 31$$

$$(4 \times p) \times 2$$

If $p = 10$

$$(4 \times p) \times 2$$

$$(4 \times 10) \times 2 = 80$$

$$20 + (6 \times w)$$

If $w = 3$

$$20 + (6 \times w)$$

$$20 + (6 \times 3) = 38$$