

## Writing mathematical expressions and equations

A mathematical expression uses math symbols instead of words.

Examples:

- 1)  $9 + n$  means "the sum of *nine* and the number *n*".
- 2)  $n - 12$  means "a number *n* decreased by *twelve*."
- 3)  $7 \times n$  and  $7n$  both mean "seven times the number *n*."
- 4)  $n/6$  and  $n \div 6$  both mean "a number *n* divided by six."

Underline the correct mathematical expression.

- 1) The sum of 13 and 26

$$\begin{array}{l} 13 \times 26 \\ 13 + 26 \end{array}$$

- 2) Nine added to negative 5

$$\begin{array}{l} 9 + -5 \\ 9 + 5 \end{array}$$

- 3) Seven decreased by a number  $z$

$$\begin{array}{l} 7 - z \\ z - 7 \end{array}$$

- 4) Ten less than a number  $x$

$$\begin{array}{l} x - 10 \\ 10 - x \end{array}$$

- 5) Five times the sum of a number  $x$  and a number  $d$

$$\begin{array}{l} 5x + d \\ 5 \times (x + d) \end{array}$$

- 6) Eight less than the result of dividing a number  $a$  by  $b$

$$\begin{array}{l} a/b - 8 \\ \frac{a - 8}{b} \end{array}$$

Write as mathematical expressions.

7. a number  $x$  decreased by eleven
8. the product of 12 and a number  $g$
9. a number  $t$  decreased by a number  $j$
10. the product of ten and a number  $v$ , divided by 4
11. a number  $q$  decreased by five
12. thirty-one divided by a number  $s$
13. double the product of a number  $v$  and a number  $r$
14. fifteen more than a number  $u$ , divided by a number  $k$
15. three times a negative six, plus a number  $p$
16. the number  $b$  times the sum of eight and the number  $f$