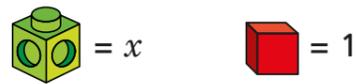


Forming expressions

- 1 Tommy uses multilink cubes to represent an unknown number and base ten ones to represent 1



Write algebraic expressions to describe the sets of cubes.

The first one has been done for you.

a) 2x + 3

b) _____

c) _____

d) _____

e) _____

f) _____

g) _____

h) _____



- 2 Use Tommy's method to represent these expressions.

a) $x + 2$

c) $3x + 1$

b) $2x$

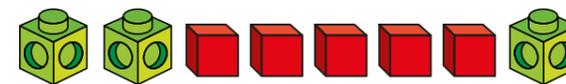
d) $x + 6$

Compare answers with a partner.

- 3 Use cubes to help you simplify the following expressions.

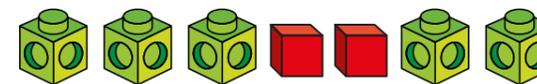
The first one has been done for you.

a) $2y + 5 + y$



3y + 5

b) $3a + 2 + a + a$

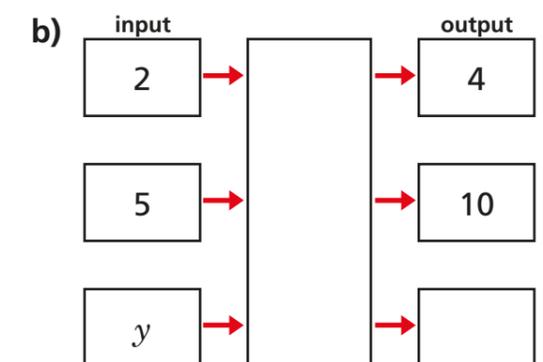
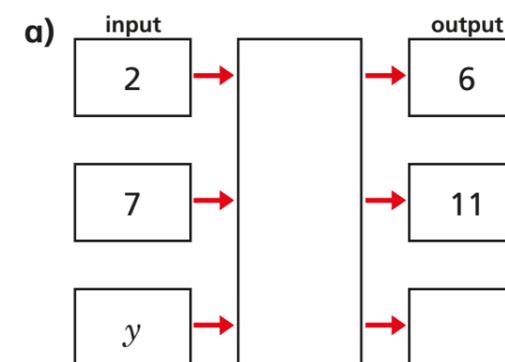


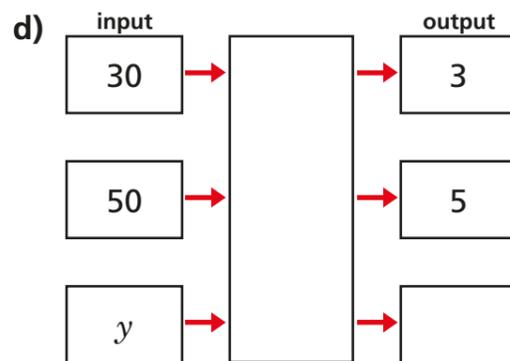
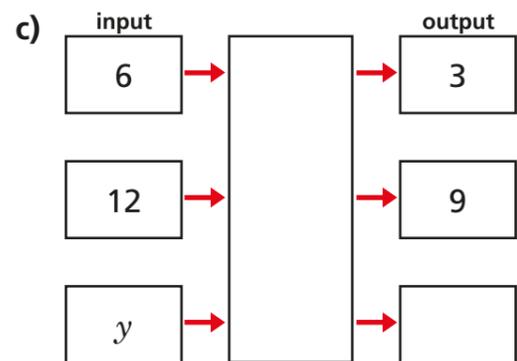
c) $6p + 2 - 2p$



d) $m + 4 + 3m - 3$

- 4 Complete the function machines.





5 Match each statement to the equivalent algebraic expression.

Write the missing statements.

5 more than y

$2y$

y less than 5

$y - 5$

y multiplied by 5

$5 - y$

y divided by 5

$y + 5$

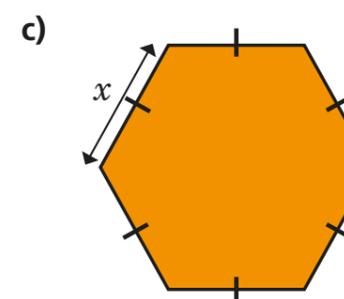
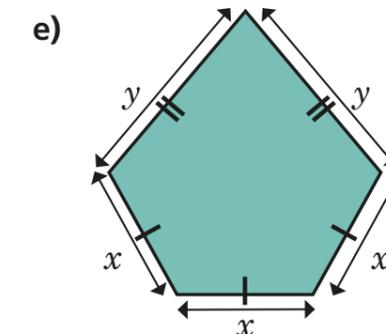
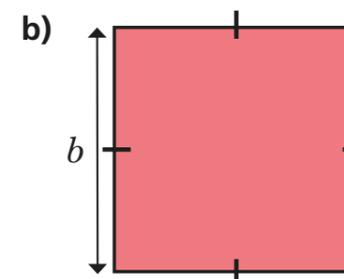
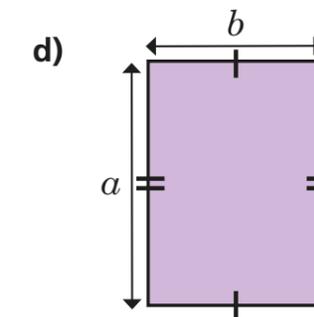
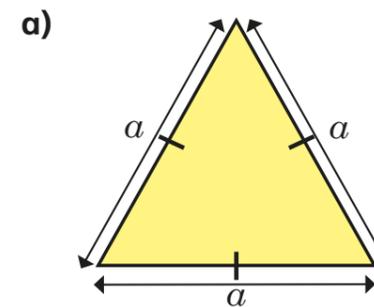
double y

$5y$

y^2

$\frac{y}{5}$

6 Write an algebraic expression to represent the perimeter of each shape.



7 Complete the bar models.

