Match-Up — Generating Formulae

Match the worded description with its formula.

1	Gary buys x toy cars and y toy trucks. Find a formula for C, where C is the total number of cars and trucks that Gary buys.
2	Find a formula for the total cost C of 3 pens at x pence each and 1 pencil that costs y pence.
3	A rectangle has a length $3x$ and a width y. Find a formula for the area C of the rectangle.
4	In a club there are x Year 7 students and y Year 8 students. If three students leave the club, find a formula for C, the number of students left.
5	Find a formula for C, where the value of C is three times the sum of x and y.
6	The cost of hiring a scooter is £3 per day plus an administrative charge of £x. Find a formula for the cost C of hiring a scooter for y days.
7	Teresa bakes x cupcakes. She eats 3 cakes then gives y cupcakes to her friend. Find a formula for C, the number of cakes left.
8	Find a formula for C, the mean of three values, x, y and y.
9	Pete's age is equal to the sum of one third of Pat's age, x, and three times Peta's age, y. Find a formula for Pete's age, C.
10	Ishtiaq has x bananas. He has twice as many apples as bananas. He also has y oranges and three more pears than oranges. Find a formula for the total number of fruit, C.

A	$C = x + y - 3$
B	$C = x + 3y$
C	$C = 3(x + y)$
D	$C = 3x + 2y + 3$
E	$C = 3x + y$
F	$C = \frac{x + 2y}{3}$
G	$C = x + y$
H	$C = \frac{x}{3} + 3y$
I	$C = x - y - 3$
J	$C = 3xy$

1	2	3	4	5	6	7	8	9	10
G	E	J	A	C	B	I	F	H	D