

Maths – To use algebra skills learnt so far to answer SATs style questions

1. Use simple formulae.

a) Calculate the value of the letter in each equation:

$3a = 18$	$a =$
$63 = 9b$	$b =$
$5c = 95$	$c =$

b) Calculate the value of the letter in each equation:

$4d - 3 = 5$	$d =$
$68 = 5e + 8$	$e =$
$34 - 6f = 10$	$f =$

c) In these equations, x is worth 7. Calculate the value of y .

$y = 2x + 13$	$y =$
$100 - 7x = y$	$y =$
$y = x^2$	$y =$

d) The formula $4n + 9$ can be used to calculate the value of the terms in this sequence:

13 17 21 25 29

Complete this table.

term	calculation	value
1st	$4 \times 1 + 9$	13
5th		
20th		89
100th	$4 \times 100 + 9$	

