



# Substitution

1 If  $m = 7 \times h - 2$

- a) Find  $m$  when  $h = 2$
- b) Find  $m$  when  $h = 6$
- c) Find  $m$  when  $h = 10$
- d) Find  $h$  when  $m = 19$

2  $b = 8 \times a + 2$

- a) Find  $b$  if  $a = 5$
- b) Find  $b$  if  $a = 8$
- c) Find  $a$  if  $b = 26$

3  $s = 12 \times r - 6$

- a) Find  $s$  if  $r = 3$
- b) Find  $s$  if  $r = 7$
- c) Find  $r$  if  $s = 42$

4  $a = 5 \times b + 4$

- a) Find  $a$  if  $b = 7$
- b) Find  $a$  if  $b = 11$
- c) Find  $b$  if  $a = 54$

5 Substitute into the equation to find the missing values

$$p = 5 \times h + 1$$

$h$	1	4	5	10	15	
$p$						41

## Answers

### Question 1

- a) 12
- b) 40
- c) 68
- d) 3

### Question 2

- a) 42
- b) 66
- c) 3

### Question 3

- a) 30
- b) 78
- c) 4

### Question 4

- a) 39
- b) 59
- c) 10

### Question 5

h	1	4	5	10	15	20
p	1	21	26	51	76	101