

**1** (c) Solve  $\frac{5x - 3}{4} = 2x + 3$

Show clear algebraic working.

$$x = \dots\dots\dots$$

**(3)**

---

**(Total for Question 1 is 3 marks)**

**2** (d) Solve  $3(2x - 5) = \frac{9 - x}{2}$

Show clear algebraic working.

$x = \dots\dots\dots$   
(4)

---

**(Total for Question 2 is 4 marks)**

**3** (b) Solve  $n + 3 = 7$

$$n = \dots\dots\dots$$

**(1)**

---

**(Total for Question 3 is 1 marks)**

---

4 (c) Solve  $6g = 42$

$$g = \dots\dots\dots$$

(1)

(d) Solve  $24 = 10 + h$

$$h = \dots\dots\dots$$

(1)

**(Total for Question 4 is 2 marks)**

---

**5** Given that  $\frac{w^5 \times w^n}{w^3} = w^{10}$

(c) work out the value of  $n$ .

$$n = \dots\dots\dots$$

(2)

---

**(Total for Question 5 is 2 marks)**

**6** (d) Solve  $5x - 7 = x + 12$

Show clear algebraic working.

$$x = \dots\dots\dots$$

**(3)**

---

**(Total for Question 6 is 3 marks)**

7 (a) Simplify  $p + p + p + p + p + p$

.....  
(1)

(b) Simplify  $5y^2 + 6y^2 - 3y^2$

.....  
(1)

(c) Simplify  $e \times e \times e \times e \times e$

.....  
(1)

(d) Simplify  $5c \times 4d$

.....  
(1)

(e) Solve  $x - 7 = 19$

$x =$  .....  
(1)

$18^2 + 15^2 - 5^3 = 4n$

(f) Work out the value of  $n$ .

$n =$  .....  
(2)

(g) Factorise  $9t - 6$

.....  
(1)

(Total for Question 7 is 8 marks)

**8** Given that  $\frac{y^5 \times y^n}{y^6} = y^{13}$

(b) work out the value of  $n$ .

$$n = \dots\dots\dots$$

(2)

---

**(Total for Question 8 is 2 marks)**



**9** (a) Solve  $5x = 30$

$$x = \dots\dots\dots$$

**(1)**

(b) Solve  $y - 7 = 12$

$$y = \dots\dots\dots$$

**(1)**

---

**(Total for Question 9 is 2 marks)**