

1. (a) Solve the equation $5x = 35$ (1)

(b) Solve the equation $x - 7 = 35$ (1)

(Total 2 marks)

2. Solve the equations.

(a) $3x = 21$ (1)

(b) $y - 2 = 9$ (1)

(c) $4z - 1 = 9$ (2)

(d) $3t + 4 = 20 + t$ (3)

(Total 7 marks)

3. (a) Solve the equations

(i) $2x = 24$ (1)

(ii) $y - 9 = 11$ (1)

(iii) $\frac{z}{4} = 8$ (1)

(iv) $4w + 3 = 13$ (2)

(Total 6 marks)

4. Solve these equations

(a) $4x - 7 = 5$ (2)

(b) $2(y + 5) = 28$ (3)

(c) $7z + 2 = 9 - 3z$ (3)

(Total 8 marks)

5. Solve the equations

(a) $8z - 5 = 11$

(2)

(b) $3(w - 2) = 9$

(3)

(Total 5 marks)

6. Solve the following equations.

(a) $2x + 5 = 3$

(2)

(b) $4(y - 3) = 18$

(3)

(c) $\frac{z+4}{2} = 11$

(2)

(Total 7 marks)

7. Solve the equation $5x + 4 = 3x + 7$

(Total 3 marks)

8. In the table below, the letters w , x , y and z represent different numbers. The total of each row is given at the side of the table.

w	w	w	w	24
w	w	x	x	28
w	w	x	y	25
w	x	y	z	23

Find the values of w , x , y and z .

(Total 4 marks)

9. (a) Solve the equation $\frac{23 - 2x}{5} = 3$

(3)

(b) Solve the inequality $3x + 8 < 29$

(2)

(Total 5 marks)