

1 Solve the simultaneous equations

$$\begin{aligned}4x + 3y &= 18 \\ x - 3y &= 7\end{aligned}$$

(3 marks)

2 Solve the simultaneous equations

$$\begin{aligned}x - 3y &= -23 \\ 5x + 2y &= 4\end{aligned}$$

(3 marks)

3 Solve the simultaneous equations

$$\begin{aligned}2x + 5y &= -10 \\ 2x - y &= 8\end{aligned}$$

(3 marks)

4 Solve the simultaneous equations

$$\begin{aligned}4x + 2y &= 10 \\ 5x + 3y &= 12\end{aligned}$$

(3 marks)

5 Solve the simultaneous equations

$$\begin{aligned}2x + 5y &= 4 \\ 7x - 5y &= -1\end{aligned}$$

(3 marks)

6 Solve the simultaneous equations

$$\begin{aligned}3x - 2y &= 7 \\ 7x + 2y &= 13\end{aligned}$$

(3 marks)

7 Solve the simultaneous equations

$$\begin{aligned}2x - 3y &= 4 \\ 4x - y &= 13\end{aligned}$$

(3 marks)

8 Solve the simultaneous equations

$$\begin{aligned}3x + y &= 15 \\ 5x + 2y &= 24\end{aligned}$$

(3 marks)

9 Solve the simultaneous equations

$$\begin{aligned}3x - y &= -4 \\ 2x - 3y &= 9\end{aligned}$$

(3 marks)

10 Solve the simultaneous equations

$$\begin{aligned}6x + 5y &= 4.5 \\ 3x - 2y &= 9\end{aligned}$$

(3 marks)

11 Solve the simultaneous equations

$$\begin{aligned}3x &= 9 + y \\ x + 5y &= 5\end{aligned}$$

(3 marks)

12 Solve the simultaneous equations

$$\begin{aligned}3y + 11 &= 4x \\ 10x + 2y + 1 &= 0\end{aligned}$$

(3 marks)

13 In a shop 2 coffees and 3 cakes cost £9.95
In the same shop 1 coffee and 4 cakes cost £10.35.

Work out the price for one coffee and the price for one cake.

(3 marks)

14

Sweets are sold in small packs and in big packs.

There is a total of 175 sweets in 4 small packs and 3 big packs.

There is a total of 154 sweets in 5 small packs and 2 big packs.

Work out the number of sweets in each small pack and in each big pack.

(3 marks)