



2 Solve the simultaneous equations

$$2x + 7y = 30$$

$$2x + 2y = 10$$



[3 marks]

$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$

3 Solve the simultaneous equations

$$9x + 3y = 57$$

$$2x + 3y = 36$$



[3 marks]

$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$





4 Solve the simultaneous equations

$$20x + y = 90$$

$$9x + y = 46$$



[3 marks]

$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$

5 Solve the simultaneous equations

$$4x + 5y = 61$$

$$4x + 2y = 34$$



[3 marks]

$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$

$\frac{\quad}{12}$

Turn over ►





6 Solve the simultaneous equations

$$3x + 3y = 27$$

$$2x - 3y = 8$$



[3 marks]

$x =$ _____

$y =$ _____

7 Solve the simultaneous equations

$$6x - 2y = 22$$

$$4x + 2y = 18$$



[3 marks]

$x =$ _____

$y =$ _____





8 Solve the simultaneous equations

$$9x + 7y = 59$$

$$3x - 7y = 1$$



[3 marks]

$x =$ _____

$y =$ _____

9 Solve the simultaneous equations

$$8x + 5y = 39$$

$$8x - 2y = 18$$



[3 marks]

$x =$ _____

$y =$ _____

12

Turn over ►





10 Solve the simultaneous equations

$$3x - 4y = 29$$

$$x - 4y = 7$$



[3 marks]

$x =$ _____

$y =$ _____

11 Solve the simultaneous equations

$$2x + 8y = 50$$

$$2x - 3y = 17$$



[3 marks]

$x =$ _____

$y =$ _____





12 Solve the simultaneous equations

$$3x + 7y = 43$$

$$x + 2y = 13$$



[3 marks]

$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

13 Solve the simultaneous equations

$$9x + 4y = 57$$

$$4x + 2y = 26$$



[3 marks]

$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

12

Turn over ►





14 Solve the simultaneous equations

$$13x + 5y = 51$$

$$2x + y = 9$$



[3 marks]

$x =$ _____

$y =$ _____

15 Solve the simultaneous equations

$$8x + 3y = 73$$

$$4x - 5y = 17$$



[3 marks]

$x =$ _____

$y =$ _____





16 Solve the simultaneous equations

$$3x + 6y = 48$$

$$4x - 3y = 9$$



[3 marks]

$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

17 Solve the simultaneous equations

$$4x + 3y = 33$$

$$3x + 2y = 24$$



[3 marks]

$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

$\frac{\quad}{12}$

Turn over ►





18 Solve the simultaneous equations

$$5x + 3y = 38$$

$$2x - 5y = 9$$



[3 marks]

$x =$ _____

$y =$ _____

19 Solve the simultaneous equations

$$8x - 5y = 49$$

$$3x - 2y = 18$$



[3 marks]

$x =$ _____

$y =$ _____





20

Solve the simultaneous equations

$$8x + 5y = 29$$

$$2x + 5y = 26$$



[3 marks]

$x =$ _____

$y =$ _____

21

Solve the simultaneous equations

$$6x + 3y = 33$$

$$6x - 5y = 57$$



[3 marks]

$x =$ _____

$y =$ _____

12

Turn over ►





22

Solve the simultaneous equations

$$5x + 8y = -1$$

$$3x - 8y = 25$$



[3 marks]

$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$

23

Solve the simultaneous equations

$$3x + 6y = 12$$

$$3x + 4y = 7$$

[3 marks]

$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$





24 Solve the simultaneous equations

$$6x + 3y = 21$$

$$4x + 5y = 2$$

[3 marks]

$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$

25 Solve the simultaneous equations

$$3x + 5y = 10$$

$$5x - 7y = 9$$

[3 marks]

$x = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$

$\frac{\quad}{12}$

Turn over ►





26 Solve the simultaneous equations

$$10x + 3y = 22$$

$$4x + 5y = 43$$

[3 marks]

$x =$ _____ $y =$ _____

27 Solve the simultaneous equations

$$5x + 2y = 4$$

$$4x + y = 3$$

[3 marks]

$x =$ _____ $y =$ _____





28 Solve the simultaneous equations

$$2x - 3y = 9$$

$$6x + y = 2$$

[3 marks]

$x =$ _____ $y =$ _____

29 Solve the simultaneous equations

$$3x + 2y = 3$$

$$4x + 6y = 5$$

[3 marks]

$x =$ _____ $y =$ _____

$\frac{\quad}{12}$

Turn over ►





30 Solve the simultaneous equations

$$3x - 3y = 27$$

$$4x + y = 3.5$$

[3 marks]

$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

31 Solve the simultaneous equations

$$5x - 2y = 1.1$$

$$4x - 3y = 2$$

[3 marks]

$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$





32 A shop sells pencils and rulers.

The cost of 5 pencils and 2 rulers is £0.99

The cost of 1 pencil and 10 rulers is £1.35

Work out the cost of 1 pencil and the cost of 1 ruler.

[3 marks]

Cost of 1 pencil = _____ Cost of 1 ruler = _____

33 A machine makes hats and gloves but only makes one item at a time.

The time taken to make a hat is 2 minutes longer than the time taken to make a glove.

The machine makes 4 hats and 6 gloves in 13 minutes.

Work out how long the machine would take to make 1 hat and 1 glove. [4 marks]

Answer _____ minutes

13

Turn over ►





34

A cinema has adult tickets and child tickets.
The price of each ticket type is fixed.

Tom buys 3 adult tickets and 4 child tickets costing a total of £35.50

Lily buys 2 adult tickets and 3 child tickets costing a total of £25.00

Carolyn buys 1 adult tickets and 2 child tickets.

Work out how much Carolyn paid for the tickets.

[4 marks]

Answer £ _____

$\frac{\quad}{4}$

