

# Simultaneous Linear Equations

## Difficulty: Easy

### Question Paper 2

Level	IGCSE
Subject	Maths (0580/0980)
Exam Board	CIE
Topic	Algebra and graphs
Sub-Topic	Simultaneous Linear Equations
Paper	Paper 2
Difficulty	Easy
Booklet	Question Paper 2

**Time allowed:** 32 minutes

**Score:** /25

**Percentage:** /100

#### Grade Boundaries:

##### CIE IGCSE Maths (0580)

A*	A	B	C	D	E
>88%	76%	63%	51%	40%	30%

##### CIE IGCSE Maths (0980)

9	8	7	6	5	4	3
>94%	85%	77%	67%	57%	47%	35%

## Question 1

Solve the simultaneous equations  $2x + y = 5$  and  $2y = x - 10$ .

[3]

## Question 2

Solve the simultaneous equations.

$$\begin{aligned}5x - y &= -10 \\ x + 2y &= 9\end{aligned}$$

[3]

### Question 3

Solve the simultaneous equations

$$\begin{aligned}6x + 18y &= 57, \\ 2x - 3y &= -8.\end{aligned}\quad [3]$$

### Question 4

Solve the simultaneous equations

$$\begin{aligned}2y + 3x &= 6, \\ x &= 4y + 16.\end{aligned}\quad [3]$$

## Question 5

Solve these simultaneous equations.

$$\begin{aligned}x + 2y - 18 &= 0 \\ 3x - 4y - 4 &= 0\end{aligned}$$

[3]

## Question 6

Solve the simultaneous equations

$$2x + \frac{1}{2}y = 1,$$

$$6x - \frac{3}{2}y = 21.$$

[3]

## Question 7

Solve the simultaneous equations

$$\frac{1}{2}x + 2y = 16,$$

$$2x + \frac{1}{2}y = 19.$$

[3]

## Question 8

Solve the simultaneous equations

$$4x + 5y = 0,$$

$$8x - 15y = 5.$$

[4]