

Linear Inequalities

Difficulty: Easy

Question Paper 1

Level	IGCSE
Subject	Maths (0580/0980)
Exam Board	CIE
Topic	Algebra and graphs
Sub-Topic	Linear Inequalities
Paper	Paper 2
Difficulty	Easy
Booklet	Question Paper 1

Time allowed: 31 minutes

Score: /24

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 inequality.

$$3n - 11 > 5n - 18$$

[2]

Question 2

(a) Solve the inequality.

$$x + 13 \geq 3x + 7$$

[2]

(b) List the positive integers that satisfy the inequality in **part(a)**.

[1]

Question 3

Find the positive integers that satisfy the inequality $t + 2 > 3t - 6$.

[3]

Question 4

Solve the inequality.

$$n + 7 < 5n - 8$$

[2]

Question 5

Solve the inequality.

$$6n + 3 > 8n$$

[2]

Question 6

Solve the inequality for positive integer values of x .

$$\frac{21+x}{5} > x+1$$

[4]

Question 7

Solve the inequality.

$$5t + 23 < 17 - 2t \quad [2]$$

Question 8

Solve the inequality.

$$\frac{x}{2} + \frac{x - 2}{3} < 5 \quad [4]$$

Question 9

Solve the inequality.

$$3x - 1 \leq 11x + 2$$

[2]