

Linear Inequalities

Difficulty: Easy

Question Paper 2

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: 34 minutes

Score: /26

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.

$$\frac{2x-3}{5} - \frac{x}{3} \leq 2 \quad [3]$$

Question 2

x is a positive integer and $15x - 43 < 5x + 2$.

Work out the possible values of x .

[3]

Question 3

Solve the inequality.

$$3y + 7 \leq 2 - y \quad [2]$$

Question 4

Solve the inequality.

$$2x + 5 < \frac{x - 1}{4} \quad [3]$$

Question 5

Solve the inequality $6(2 - 3x) - 4(1 - 2x) \leq 0$. [3]

Question 6

Solve the inequality $\frac{2 - 5x}{7} < \frac{2}{5}$. [3]

Question 7

Solve the inequality

$$4 - 5x < 2(x + 4). \quad [3]$$

Question 8

Solve the inequality

$$5 - 3x < 17. \quad [2]$$

Question 9

(a) Solve the inequality $5 - \frac{2x}{3} > \frac{1}{2} + \frac{x}{4}$ [3]

(b) List the positive integers which satisfy the inequality

$$5 - \frac{2x}{3} > \frac{1}{2} + \frac{x}{4} \quad [1]$$