

# Standard Form

## Difficulty: Hard

### Question Paper 1

Level	IGCSE
Subject	Maths (0580/0980)
Exam Board	CIE
Topic	Number
Sub-Topic	Standard Form
Paper	Paper 2
Difficulty	Hard
Booklet	Question Paper 1

**Time allowed:** 27 minutes

**Score:** /21

**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

(a) Write 0.0605 in standard form. [1]

(b) Calculate  $0.1 \times 5.1 \times 10^4$ , giving your answer in standard form. [1]

## Question 2

Write the answer to the following calculations in standard form.

(a)  $600 \div 8000$  [2]

(b)  $10^8 - 7 \times 10^6$  [2]

### Question 3

Calculate  $(4.3 \times 10^8) + (2.5 \times 10^7)$ .

Give your answer in standard form.

[2]

### Question 4

Calculate, giving your answers in standard form,

(a)  $2 \times (5.5 \times 10^4)$ ,

[2]

(b)  $(5.5 \times 10^4) - (5 \times 10^4)$ .

[2]

### Question 5

Work out  $2(3 \times 10^8 - 4 \times 10^6)$ , giving your answer in standard form.

[2]

### Question 6

Solve the equation  $4x + 6 \times 10^3 = 8 \times 10^4$ .

Give your answer in standard form.

[3]

## Question 7

(a) There are  $10^9$  nanoseconds in 1 second.

Find the number of nanoseconds in 5 minutes, giving your answer in standard form.

[2]

(b) Solve the equation  $5(x + 3 \times 10^6) = 4 \times 10^7$ .

[2]