

Numbers & Accuracy

Difficulty: Easy

Question Paper 1

Level	IGCSE
Subject	Maths (0580/0980)
Exam Board	CIE
Topic	Number
Sub-Topic	Numbers & Accuracy
Paper	Paper 2
Difficulty	Easy
Booklet	Question Paper 1

Time allowed: 36 minutes

Score: /28

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

$\sqrt{5}$ -7 343 -11 0.4 2.5 $\frac{1}{3}$

From this list of numbers, write down

(a) a cube number, [1]

(b) the smallest number, [1]

(c) A natural number. [1]

Question 2

One day, at noon, in Maseru, the temperature was 17°C . At midnight the temperature was 20°C lower. [1]

Work out the temperature at midnight.

Question 3

(a) 1 and 12 are factors of 12. [1]

Write down all the other factors of 12.

(b) Write down the multiples of 9 between 20 and 40. [1]

Question 4

Write 23.4571 correct to

(a) 4 significant figures, [1]

(b) the nearest 10. [1]

Question 5

The table shows the temperatures in five places at 10 am one day in January.

Place	Temperature ($^{\circ}\text{C}$)
Helsinki	-7
Chicago	-10
London	3
Moscow	-4
Bangkok	26

[1]

(a) Which place was the coldest?

(b) At 2 pm the temperature in Helsinki had increased by 4°C . [1]

Write down the temperature in Helsinki at 2 pm.

Question 6

Write 0.071 64 correct to 2 significant figures. [1]

Question 7

Write down the temperature which is 5°C below -2°C .

[1]

Question 8

Write 0.040 190 7 correct to

[1]

(a) 3 significant figures,

(b) 3 decimal places.

[1]

Question 9

Simplify.

$$n^2 \times n^5$$

[1]

Question 10

Find the lowest common multiple (LCM) of 36 and 48.

[2]

Question 11

Write 3.5897 correct to 4 significant figures.

[1]

Question 12

8 9 10 11 12 13 14 15 16

From the list of numbers, write down

(a) the square numbers,

[1]

(b) a prime factor of 99.

[1]

Question 13

Write 71 496 correct to 2 significant figures.

[1]

Question 14

Find the highest common factor (HCF) of 56 and 70.

[2]

Question 15

(a) Write 2016 as the product of prime factors.

[3]

(b) Write 2016 in standard form.

[1]

Question 16

At midnight the temperature in Newtown was -8°C .

At noon the next day the temperature in Newtown was 9°C .

Work out the rise in temperature from midnight to noon.

[1]