

Numbers & Accuracy

Difficulty: Easy

Question Paper 3

Level	IGCSE
Subject	Maths (0580/0980)
Exam Board	CIE
Topic	Number
Sub-Topic	Numbers & Accuracy
Paper	Paper 2
Difficulty	Easy
Booklet	Question Paper 3

Time allowed: 43 minutes

Score: /33

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

Calculate $\frac{5.27 - 0.93}{4.89 - 4.07}$

Give your answer correct to 4 significant figures.

[2]

Question 2

One January day in Munich, the temperature at noon was 3°C .
At midnight the temperature was -8°C .

Write down the difference between these two temperatures.

[1]

Question 3

The sum of the prime numbers less than 8 is equal to 17.

(a) Find the sum of the prime numbers less than 21. [2]

(b) The sum of the prime numbers less than x is 58.

Find an integer value for x . [2]

Question 4

On a mountain, the temperature decreases by 6.5°C for every 1000 metres increase in height.
At 2000 metres the temperature is 10°C .

Find the temperature at 6000 metres. [2]

Question 5

Write the following numbers correct to one significant figure.

(a) 7682

[1]

(b) 0.07682

[1]

Question 6

Write each number correct to 1 significant figure and estimate the value of the calculation.
You must show your working.

[2]

$$2.65 \times 4.1758 + 7.917$$

Question 7

p is the largest prime number between 50 and 100.

q is the smallest prime number between 50 and 100.

Calculate the value of $p - q$.

[2]

Question 8

Write down the next two prime numbers after 43.

[2]

Question 9

Write down the next two prime numbers after 47.

[2]

Question 10

Write the number 1045.2781 correct to

(a) 2 decimal places,

[1]

(b) 2 significant figures.

[1]

Question 11

Write down

(a) an irrational number, [1]

(b) a prime number between 60 and 70. [1]

Question 12

Write down the next prime number after 89. [1]

Question 13

The table gives the average surface temperature ($^{\circ}\text{C}$) on the following planets.

Planet	Earth	Mercury	Neptune	Pluto	Saturn	Uranus
Average temperature	15	350	-220	-240	-180	-200

(a) Calculate the range of these temperatures.

[1]

(b) Which planet has a temperature 20°C lower than that of Uranus?

[1]

Question 14

Write the number 2381.597 correct to

(a) 3 significant figures,

[1]

(b) 2 decimal places,

[1]

(c) the nearest hundred.

[1]

Question 15

From the list of numbers $\frac{22}{7}$, π , $\sqrt{14}$, $\sqrt{16}$, 27.4, $\frac{65}{13}$ write down

(a) one integer, [1]

(b) one irrational number. [1]

Question 16

The table shows the maximum daily temperatures during one week in Punta Arenas.

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
2°C	3°C	1°C	2.5°C	-1.5°C	1°C	2°C

(a) By how many degrees did the maximum temperature change between Thursday and Friday?

[1]

(b) What is the difference between the greatest and the least of these temperatures?

[1]