Mean/Median/Mode/Range Difficulty: Easy

Question Paper 1

Level	IGCSE
Subject	Maths (0580/0980)
Exam Board	CIE
Topic	Statistics
Sub-Topic	Mean/Median/Mode/Range
Paper	Paper 2
Difficulty	Easy
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%

Amber's mean mark on five tests is 80.
Her marks on four of these tests are 68, 81, 74 and 89.

[2]

Work out her mark on the fifth test.

Question 2

Shahruk plays four games of golf.
His four scores have a mean of 75, a mode of 78 and a median of 77.

Work out his four scores. [3]

Jim scores the following marks in 8 tests.

$$7 \quad 8 \quad 8 \quad y \quad 6 \quad 9 \quad 10 \quad 5$$

His mean mark is 7.5 .   [2]

Calculate the value of y.

Question 4

$$7 \quad 9 \quad 20 \quad 3 \quad 9$$

(a) A number is removed from this list and the median and range do not change.   [1]

Write down this number.

(b) An extra number is included in the original list and the mode does not change.

Write down a possible value for this number.

[1]

Cheryl recorded the midday temperatures in Seoul for one week in January.

Day	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Temperature (°C)	−4	−5	−3	−11	−8	−3	−1

(a) Write down the mode. [1]

(b) On how many days was the temperature lower than the mode? [1]

Question 6

Leon scores the following marks in 5 tests.

$$8 \quad 4 \quad 8 \quad y \quad 9$$

His mean mark is 7.2. [2]

Calculate the value of y.

In Vienna, the mid-day temperatures, in °C, are recorded during a week in December.
This information is shown below.

$$-2 \quad 2 \quad 1 \quad -3 \quad -1 \quad -2 \quad 0$$

Calculate

(a) the difference between the highest temperature and the lowest temperature,   [1]

(b) the mean temperature.   [2]

During one week in April, in Quebec, the daily minimum temperatures were

–5°C,   –1°C,   3°C,   2°C,   –2°C,   0°C,   6°C.

Write down

(a) the lowest of these temperatures,

[1]

(b) the range of these temperatures.

[1]

Question 9

For the numbers   8, 3, 5, 8, 7, 8   find

(a)   the mode,   [1]

(b)   the median,
                                                                                                            [1]

(c)   the mean.
                                                                                                            [1]