Using a Calculator Difficulty: Easy

Question Paper 1

Level	IGCSE
Subject	Maths (0580/0980)
Exam Board	CIE
Topic	Number
Sub-Topic	Using a Calculator
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

$V = 4p^2$

Find V when $p = 3$. [1]

Question 2

Calculate $(2.1 - 0.078)^{17}$, giving your answer correct to 4 significant figures. [2]

Question 3

Calculate. $\dfrac{3.07 + 2^4}{5.03 - 1.79}$ [1]

Question 4

Use your calculator to work out $\sqrt{10 + 0.6 \times (8.3^2 + 5)}$. [1]

Question 5

Use your calculator to find the value of 1.35^7.

Give your answer correct to 5 significant figures. [2]

Question 6

Calculate $\frac{8.24 + 2.56}{1.26 - 0.72}$. [1]

Question 7

Use a calculator to work out the following.

(a) $3\ (-4 \times 6^2 - 5)$ [1]

(b) $\sqrt{3} \times \tan 30° + \sqrt{2} \times \sin 45°$ [1]

Question 8

(a) Use your calculator to work out $\sqrt{65} - 1.7^2$.

Write down all the numbers displayed on your calculator. [1]

(b) Write your answer to **part (a)** correct to 2 significant figures. [1]

Question 9

Use your calculator to find the value of

$$\frac{8.1^2 + 6.2^2 - 4.3^2}{2 \times 8.1 \times 6.2}.$$ [2]

Question 10

Work out $11.3139 - 2.28 \times \sqrt[3]{9^2}$.

Give your answer correct to one decimal place. [2]

Question 11

Find the value of $\dfrac{7.2}{11.8 - 10.95}$.

Give your answer correct to 4 significant figures. [2]

Question 12

(a) Calculate $\sqrt[3]{7^{1.5} + 22^{0.9}}$ and write down your full calculator display. [1]

(b) Write your answer to **part (a)** correct to 4 significant figures. [1]

Question 13

Use your calculator to find $\sqrt{\frac{45 \times 5.75}{3.1 + 1.5}}$. [2]

Question 14

Use your calculator to find the value of

(a) $3^0 \times 2.5^2$, [1]

(b) 2.5^{-2}. [1]

Question 15

Find the value of $\frac{\sqrt[3]{17.1-1.89}}{10.4+\sqrt{8.36}}$. [2]