Order by Size
Difficulty: Easy
Question Paper 1

Level	IGCSE
Subject	Maths (0580/0980)
Exam Board	CIE
Topic	Number
Sub-Topic	Order by Size
Paper	Paper 2
Difficulty	Easy
Booklet	Question Paper 1

Time allowed: **39 minutes**

Score: **/30**

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

Write the following in order of size, smallest first.

$$\pi \qquad 3.14 \qquad \frac{22}{7} \qquad 3.142 \qquad 3$$

[2]

Question 2

Write the following in order of size, smallest first.

$$0.34 \qquad 0.6 \qquad 0.6^2 \qquad 0.7^3$$

[2]

Question 3

Write the following in order of size, smallest first.

[2]

$$0.5^2 \qquad 0.5 \qquad 0.5^3 \qquad \sqrt[3]{0.5}$$

Question 4

Write the following in order, smallest first.

$$\sqrt{0.1} \qquad \frac{43}{201} \qquad 2\frac{1}{2}\% \qquad 0.2$$

[2]

Question 5

Write the following in order of size, largest first.

$$\sin 158° \qquad \cos 158° \qquad \cos 38° \qquad \sin 38°$$

[2]

Question 6

Write the following in order of size, **smallest** first.

$$\sqrt{0.9} \qquad \sqrt[3]{0.9} \qquad 0.9^2 \qquad 0.9^3$$

[2]

Question 7

Write the following in order of size, **smallest** first.

$$\frac{20}{41} \qquad \frac{80}{161} \qquad 0.492 \qquad 4.93\%$$

[2]

Question 8

Write the numbers in order of size with the **smallest** first.

$$\sqrt{10} \qquad 3.14 \qquad \frac{22}{7} \qquad \pi$$

[2]

Question 9

Write the following in order of size, smallest first.

$$\sqrt{\frac{9}{17}} \qquad \frac{5}{7} \qquad 72\% \qquad \left(\frac{4}{3}\right)^{-1}$$

[2]

Question 10

Write the following in order of size, smallest first.

$$\frac{399}{401} \qquad \frac{698}{701} \qquad \frac{598}{601}$$

[2]

Question 11

Write the following in order of size, **smallest** first.

$\cos 100°$ $\qquad$ $\sin 100°$ $\qquad$ $\tan 100°$ [2]

Question 12

$$(0.8)^{\frac{1}{2}}, \quad 0.8, \quad \sqrt{0.8}, \quad (0.8)^{-1}, \quad (0.8)^2.$$

From the numbers above, write down

(a) the smallest,   [1]

(b) the largest.   [1]

Question 13

[2]

Write the numbers 0.5^2, $\sqrt{0.5}$, 0.5^3 in order with the **smallest** first.

Question 14

Write in order of size, smallest first,

$$\frac{5}{98}, \quad 0.049, \quad 5\%.$$

[2]

Question 15

Write the four values in order, smallest first.

[2]

$$\frac{1}{1000}, \quad \frac{11}{1000}, \quad 0.11\%, \quad 0.0108.$$