



**EXAM PAPERS PRACTICE**

## **Order by Size**

Question Paper



### Question 1

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

$$(1.5)^{\frac{2}{3}} \quad \left(\frac{2}{3}\right)^{1.5} \quad \left(\frac{2}{3}\right)^{-1.5} \quad \left(-\frac{2}{3}\right)^{\frac{2}{3}} \quad [2]$$

### Question 2

Write the following in order of size, smallest first.

[2]

$$\cos 100^\circ \quad \tan 100^\circ \quad \frac{1}{100} \quad 100^{-0.1}$$

### Question 3

Write the following in order of size, smallest first.

[2]

$$19\% \quad \frac{1}{5} \quad \sqrt{0.038} \quad \sin 11.4^\circ \quad 0.719^5$$

### Question 4

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

$$0.47 \quad \frac{8}{17} \quad \sqrt{0.22} \quad \tan 25^\circ \quad [2]$$

### Question 5

For this question,  $1 < x < 2$ .

Write the following in order of size, **smallest** first. [2]

$$\frac{5}{x} \quad 5x \quad \frac{x}{5} \quad x - 5$$

### Question 6

Write the following in order of size, **smallest** first. [2]

$$\frac{2}{\sqrt{3}} \quad 2 - \sqrt{3} \quad \sqrt{3} \quad 2 - \frac{\sqrt{3}}{2}$$

### Question 7

When  $0 < x < 0.9$ , write the following in order of size with the smallest first.

[2]

$$\cos x^\circ \quad x^2 \quad x^{-1}$$

### Question 8

$$0.0008 \quad 8 \times 10^{-5} \quad 0.8\% \quad \frac{1}{125\,000}$$

[2]

Write the numbers above in order, smallest first.

### Question 9

Write the following in order of size, smallest first.

[2]

$$\frac{\pi}{4} \quad \frac{1}{\sqrt{2}} \quad \frac{3}{4} \quad \sin 47^\circ$$



## Question 10

Rearrange the quantities in order with the smallest first.

[2]

$$\frac{1}{8}\%, \quad \frac{3}{2500}, \quad 0.00126$$