

USE OF A CALCULATOR

Your skills of operating the scientific calculator will be tested through a number of questions. Be sure that you are using the permitted series of the calculator. Some of the types of calculator based questions are given below. Plug the values into the calculator and follow instructions given in the question to write your answer

Board paper questions:

0580/2, 0581/2 Jun/04

2 Use your calculator to find the value of

$$\frac{6 \sin 50^\circ}{\sin 25^\circ}$$

Answer [1]

6 Calculate the value of $\frac{1}{2} \sqrt{\frac{1}{2} + \frac{1}{2} \sqrt{\frac{1}{2}}}$

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(a) writing down all the figures in your calculator answer,

Answer(a) [1]

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- 6 Use your calculator to find the value of $2^{\sqrt{3}}$.
Give your answer correct to 4 significant figures.

Answer [2]

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- 12 Without using your calculator, work out $1\frac{5}{6} + \frac{9}{10}$.
You must show your working and give your answer as a mixed number in its simplest form.

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Answer [3]

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

Answer(a) [1]

- (b) Write your answer to part (a) correct to 4 significant figures.

Answer(b) [1]

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- 4 Use a calculator to find

(a) $\sqrt{5\frac{5}{24}}$,

Answer(a) [1]

(b) $\frac{\cos 40^\circ}{7}$.

Answer(b) [1]

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

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Answer [1]
