

Calculator Questions

Using a Calculator

Using a Calculator

Easy (5 questions)	/7
Medium (6 questions)	/7
Hard (5 questions)	/12
Total Marks	/26

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Easy Questions

1 Calculate $\frac{4}{\sqrt{0.0025}}$.

(1 mark)

2 Calculate.

$$\frac{5}{8} + \sqrt[3]{340}$$

(1 mark)

3 Calculate.

$$\frac{5.39 - 0.98}{0.743 - 0.0743}$$

(1 mark)

4 Calculate $\sqrt{2.38 + 6.4^2}$, writing down your full calculator display.

(1 mark)

5 (a) Use your calculator to work out $\frac{38.5 \times 14.2}{18.4 - 5.9}$

Write down all the figures on your calculator display.

You must give your answer as a decimal.

(2 marks)

(b) Write your answer to part (a) correct to 1 significant figure.

(1 mark)

Medium Questions

- 1 Use a calculator to find the decimal value of $\frac{\sqrt{29 - 3 \times 32^{0.4}}}{3}$.

(1 mark)

- 2 Calculate

$$\frac{16.379 - 0.879}{4.2} \times 1.241$$

Give your answer correct to 2 significant figures.

(2 marks)

- 3 Calculate $\sqrt{256^{0.25} + 4 \times 8}$.

(1 mark)

- 4 Calculate $\sqrt[3]{8.1^2 - 1.3^{0.8}}$.

(1 mark)

- 5 $\sqrt[3]{2^3 + 2}$

(1 mark)

- 6 Calculate $\sqrt{17.8} - 1.3^{2.5}$.

(1 mark)

Hard Questions

1 Use your calculator to work out $\sqrt{1 - (\sin 33^\circ)^2}$.

(1 mark)

2 Work out $\sqrt{\frac{2.5 \times \sin 43^\circ}{8.2^2 - 50.5}}$

Give your answer correct to 3 significant figures.

(2 marks)

3 (a) Use your calculator to work out $19.42^2 - \sqrt[3]{1006} \div 4.95$

Write down your full calculator display.

(1 mark)

(b) Use approximations to check that your answer to part (a) is sensible.

You **must** show your working.

(2 marks)

4 (a) Use your calculator to work out $\frac{29^2 - 4.6}{\sqrt{35 - 1.9^3}}$

Write down all the figures on your calculator display.

(2 marks)

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

(1 mark)

5 (a) Use your calculator to work out $\sqrt{\frac{\sin 25^\circ + \sin 40^\circ}{\cos 25^\circ - \cos 40^\circ}}$

Write down all the figures on your calculator display.

(2 marks)

(b) Write your answer to part (a) correct to 2 decimal places.

(1 mark)