

# Using a Calculator

## Question Paper

Course	Edexcel IGCSE Maths
Section	1. Numbers & the Number System
Topic	Using a Calculator
Difficulty	Hard

**Time allowed:** 20  
**Score:** /14  
**Percentage:** /100

### Question 1a

Find the reciprocal of 2.5

[1 mark]

### Question 1b

Work out  $\sqrt[3]{\frac{4.3 \times \tan 39^\circ}{23.4 - 6.06}}$

Give your answer correct to 3 significant figures.

[2 marks]

### Question 2

i)

Find the value of  $\sqrt[5]{3.2 \times 10^{11}}$

[1]

ii)

Find the value of  $10^{\frac{3}{4}}$

Give your answer correct to 1 decimal place.

[1]

[2 marks]

### Question 3

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]

**Question 4a**

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

Write down your full calculator display.

[1 mark]

**Question 4b**

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

You **must** show your working.

[2 marks]

**Question 5a**

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]

**Question 5b**

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

[1 mark]

**Question 6**

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

**[1 mark]**