# Using a Calculator Question Paper 

| Course | EdexcelIGCSE Maths |
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| Section | 1. Numbers \& the Number System |
| Topic | Using a Calculator |
| Difficulty | Medium |

Time allowed: 30
Score: /25
Percentage: /100

## Question 1

Calculate the value of $\sqrt{\frac{\tan 60^{\circ}+1}{\tan 60^{\circ}-1}}$
Write down all the figures on your calculator display. You must give your answer as a decimal.

## Question 2a

Use your calculator to work out $\frac{\sqrt{70.25}}{4.2-2.37}$

Write down all the figures on your calculator display
You must give your answer as a decimal.

## Question 2b

Write your answer to part (a) correct to 4 decimal places.

## Question 3

Use your calculator to work out $\frac{1.45^{2}}{3.89-\sqrt{5.75}}$
Write down all the figures on your calculator display.
You must give your answer as a decimal.

## Question 4a

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.

## Question 4b

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

## Question 5

Work out $\frac{5.6 \times 10^{4}+7 \times 10^{3}}{2.8 \times 10^{-3}}$
Give your answer in standard form.

## Question 6

Work out $\frac{3 \times 10^{5}-2.7 \times 10^{4}}{6 \times 10^{-2}}$

## Question 7

An approximation for the value of $\pi$ is given by

$$
4\left(1-\frac{22}{57}+\frac{22}{85}-\frac{22}{105}+\frac{22}{117}-\frac{22}{242}\right)
$$

Use your calculator to show that this approximation is within 0.1 of 3.14

## Question 8

Work out $\frac{3.2 \times 10^{3}+5.1 \times 10^{-2}}{4.3 \times 10^{-4}}$
Give your answer in standard form, correct to 3 significant figures.

## Question 9

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

## Question 10

Calculate.

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

Give your answer correct to 2 significant figures.

## Question 11

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

## Question 12

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

## Question 13

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

## Question 14

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

