



# EXAM PAPERS PRACTICE

GCSE Edexcel Math

1MA1

Using a Calculator

Question Paper

*"We will help you to  
achieve A Star "*



**Question 1**

(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]

**Question 2**

Use a calculator to work out

$$\frac{\sqrt{20.4}}{6.2 \times 0.48}$$

Write down all the figures on your calculator display.  
Give your answer as a decimal.

[2 marks]

**Question 3**

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

[1 mark]



**Question 4**

- (b) Work out the value of  $350^3$   
Give your answer in standard form.

[2 marks]

**Question 5**

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

[1 mark]

**Question 6**

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.

[2 marks]



**Question 7**

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

[1 mark]

**Question 8**

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

(a) Write down all the figures on your calculator display.

[2 marks]

**Question 9**

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

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

[2 marks]



**Question 10**

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.

[2 marks]

**Question 11**

$$p^2 = \frac{x - y}{xy}$$

$$x = 8.5 \times 10^9$$

$$y = 4 \times 10^8$$

Find the value of  $p$ .

Give your answer in standard form correct to 2 significant figures.

[3 marks]



**Question 12**

$w$  is increased by 10%

$d$  is increased by 5%

Lottie says,

“The value of  $T$  will increase because both  $w$  and  $d$  are increased.”

(b) Lottie is wrong.

Explain why.

[2 marks]

**Question 13**

(b) 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 14**

$$T = \sqrt{\frac{w}{d^3}}$$

$$w = 5.6 \times 10^{-5}$$

$$d = 1.4 \times 10^{-4}$$

(a) Work out the value of  $T$ .

Give your answer in standard form correct to 3 significant figures.

[2 marks]

**Question 15**

(a) Find the reciprocal of 2.5

[1 mark]