

Name: _____

GCSE (1 – 9)

Using a Calculator

Instructions

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided
– *there may be more space than you need.*
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all your working out.**

Information

- The marks for each question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end

1 Find $\sqrt{1.69}$

.....
(Total for question 1 is 1 mark)

2 Find 1.25^2

.....
(Total for question 2 is 1 mark)

3 Find $\sqrt{1.96 \times 2.25}$

.....
(Total for question 3 is 1 mark)

4 Find $1.3^2 + 1.4^2$

.....
(Total for question 4 is 1 mark)

5 Work out $(3.15 - 0.28)^2 - 4.076$

Write down all the figures on your calculator display.

.....
(Total for question 5 is 2 marks)

6 Work out $\frac{3.15 + 2.8^2}{2.06}$

Write down all the figures on your calculator display.

.....
(Total for question 6 is 2 marks)

7 Work out $\frac{25.4 + 1.9^3}{6.5}$

Write down all the figures on your calculator display.

.....
(Total for question 7 is 2 marks)

8 Use your calculator to work out $\frac{\sqrt{12.36 - 5.12}}{2.97^2}$

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

.....

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

(2)

.....

(1)

(Total for question 8 is 3 marks)

9 Work out $\sqrt{\frac{25.1 - 3.87}{5.23 + 2.04}}$

Write down all the figures on your calculator display.

.....

(Total for question 9 is 2 marks)

10 (a) Find the value of $30.5^2 + 12.1^2$

.....

(b) Find the value of $\sqrt{5.13 + 10.28} - 0.97$

(1)

.....

(2)

(Total for question 10 is 3 marks)

11 Work out $\sqrt{12^2 + 15^2 - 54 \cos(80)}$

Write down all the figures on your calculator display.

.....

(Total for question 11 is 2 marks)

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

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

.....
(2)

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

.....
(1)

(Total for question 12 is 3 marks)

13 Use your calculator to work out $\sqrt{\frac{\tan 80^\circ + 1}{\tan 80^\circ - 1}}$

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

.....
(2)

(b) Write your answer to part (a) correct to 3 significant figures.

.....
(1)

(Total for question 13 is 3 marks)

14 Use your calculator to work out $\frac{12.74 + \sqrt{9.5}}{6.04 \times 4.1}$

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

.....
(2)

(b) Write your answer to part (a) correct to 2 significant figures.

.....
(1)

(Total for question 14 is 3 marks)