Name: _____

GCSE (1 - 9) Use of a Calculator	Solutions:

These questions are compiled from *released* Pearson Edexcel GCSE maths exam papers
They contain exam questions from up until the ***Summer 2023*** exam series
More recent exam papers do exist but are withheld for mock exams
As new exam papers are released these worksheets will gradually be updated
The ***most current*** version of these worksheets will always be available at: kennethstafford.co.uk

Question	Where the question appeared
1	Edexcel, GCSE, Summer 2017, Paper 2F, Q12
2	Edexcel, GCSE, Autumn 2017, Paper 2F, Q23
3	Edexcel, GCSE, Summer 2018, Paper 3F, Q8
4	Edexcel, GCSE, Autumn 2018, Paper 3F, Q20
5	Edexcel, GCSE, Summer 2019, Paper 3F, Q14
6	Edexcel, GCSE, Autumn 2019, Paper 2F, Q4
7	Edexcel, GCSE, Autumn 2019, Paper 3F, Q23
8	Edexcel, GCSE, Autumn 2019, Paper 3F, Q23
9	Edexcel, GCSE, Summer 2023, Paper 2F, Q20
10	Edexcel, GCSE, November 2022, Paper 2F, Q17
11	Edexcel, GCSE, Summer 2022, Paper 3F, Q5
12	Edexcel, GCSE, Summer 2022, Paper 3F, Q15

1

Find the value of $\dfrac{\sqrt{13.4 - 1.5}}{(6.8 + 0.06)^2}$

Write down all the figures on your calculator display.

.....

(Total for Question 12 is 2 marks)

[Edexcel, GCSE, Summer 2017, Paper 2F, Q12]

2

Use your calculator to work out $\sqrt{\dfrac{\sin 25° + \sin 40°}{\cos 25° - \cos 40°}}$

(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 23 is 3 marks)

[Edexcel, GCSE, Autumn 2017, Paper 2F, Q23]

3

(a) Find the value of $\sqrt{1.44 \times 3.61}$

.....

(1)

(b) Find the value of $(3.54 - 0.96)^2 - 4.096$

.....

(2)

(Total for Question 8 is 3 marks)

[Edexcel, GCSE, Summer 2018, Paper 3F, Q8]

4

(a) Write 7357 correct to 3 significant figures.

.....

(1)

(b) Work out $\dfrac{\sqrt{17 + 4^2}}{7.3^2}$

Write down all the figures on your calculator display.

.....

(2)

(Total for Question 20 is 3 marks)

[Edexcel, GCSE, Autumn 2018, Paper 3F, Q20]

5

Find the value of $\dfrac{5.27 + 3.5}{7.9 - 4.36}$

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

.....

(Total for Question 14 is 2 marks)

[Edexcel, GCSE, Summer 2019, Paper 3F, Q14]

6

Find the value of $\sqrt{17.64}$

.....

(Total for Question 4 is 1 mark)

[Edexcel, GCSE, Autumn 2019, Paper 2F, Q4]

7

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

Write down all the figures on your calculator display.

.....

(2)

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

.....

(1)

(Total for Question 23 is 3 marks)

[Edexcel, GCSE, Autumn 2019, Paper 3F, Q23]

8

(a) Work out the value of $\dfrac{300}{2 \times 5}$

.....

(1)

(b) Work out the value of $(6 - 2.5)(8 + 4)$

.....

(1)

(c) Write down the reciprocal of 20

.....

(1)

(Total for Question 9 is 3 marks)

[Edexcel, GCSE, Autumn 2020, Paper 3F, Q9]

9

(a) Work out the value of $\dfrac{25 - \sqrt{43.87}}{6 + 2.1^2}$

Write down all the figures on your calculator display.

.....

(2)

(b) Work out the value of the reciprocal of 0.625

.....

(1)

(Total for Question 20 is 3 marks)

[Edexcel, GCSE, Summer 2023, Paper 2F, Q20]

10

(a) Write 87 569 correct to 3 significant figures.

.....

(1)

(b) Work out $\dfrac{(3.2 + 3.7) \times 4.9}{5.3 - 2.8}$

Give your answer as a decimal.

.....

(2)

(Total for Question 17 is 3 marks)

[Edexcel, GCSE, November 2022, Paper 2F, Q17]

11

Find $\sqrt{1.69}$

.....

(Total for Question 5 is 1 mark)

[Edexcel, GCSE, Summer 2022, Paper 3F, Q5]

12

Work out $\dfrac{2.75 \times 14.6}{10 - 1.97}$

.....

(Total for Question 15 is 2 marks)

[Edexcel, GCSE, Summer 2022, Paper 3F, Q15]