

Using a Calculator

For Pearson Edexcel GCSE Mathematics (1MA1) • Foundation tier

Name _____

Total marks: **21**

Answer **all** questions in the spaces provided. Show your working: marks are given for correct method. You may use a calculator.

- 1 (a) Use your calculator to work out $\frac{23.4 + 6.8^2}{\sqrt{5.29}}$
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 1 is 3 marks)

- 2 Work out $\frac{9.4^2}{3.25 + \sqrt{7.84}}$
Write down all the figures on your calculator display.

.....
(2)
(Total for Question 2 is 2 marks)

- 3** (a) Work out the value of 2.6^4

.....
(1)

- (b) Work out the cube root of 1331

.....
(1)

- (c) Find the reciprocal of 0.08

.....
(1)

(Total for Question 3 is 3 marks)

- 4** (a) Work out $\frac{\sqrt{58.6} + 3.1}{2.4^2}$
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 4 is 3 marks)

- 5 Sam uses his calculator to work out how long a journey will take.
The display shows 4.35 hours.
Sam says, 'The journey will take 4 hours 35 minutes.'

Is Sam correct?

You must give a reason for your answer.

(1)

(Total for Question 5 is 1 mark)

- 6 Kim wants to work out $\frac{24.5}{3.5 \times 2}$
She types $24.5 \div 3.5 \times 2 =$ and gets 14

(a) Explain what Kim has done wrong.

(1)

(b) Work out the correct answer.

.....
(1)

(Total for Question 6 is 2 marks)

- 7 Work out $\frac{4.7 \times 10^5}{2.3 \times 10^{-2}}$
Give your answer in standard form correct to 3 significant figures.

.....
(2)

(Total for Question 7 is 2 marks)

- 8 Use your calculator to work out $\sqrt{\frac{19.2 \times 3.6}{2.5^2 + 1.7}}$
Write down all the figures on your calculator display.

.....
(2)

(Total for Question 8 is 2 marks)

- 9 Plant pots cost £3.85 each.
Dev has £50 to spend on plant pots.
He buys as many plant pots as he can.
How much money will Dev have left?

£
(3)

(Total for Question 9 is 3 marks)
