

Using a Calculator

ANSWERS

Calculator | 30 minutes | Total marks: 27

Name Class

1 (a) Work out $7 + 3 \times 4$

Answer 19 (1) [1 mark]

(b) Work out $\frac{(12 - 4)^2}{2}$

Answer 32 (1) [1 mark]

(c) Work out $20 - 12 \div (2 + 2)$

Answer 17 (1) [1 mark]

(d) Put one pair of brackets in this calculation to make it correct.

$$3 + 5 \times 2 - 1 = 8$$

$$3 + 5 \times (2 - 1) = 8 \text{ (1)}$$

[1 mark]

2

Use your calculator to work out

(a) $4.7^2 + \sqrt{30.25}$

Answer 27.59 (1) [1 mark]

(b) 2.4^3

Answer 13.824 (1) [1 mark]

(c) $\frac{18.6 + 7.9}{2.5 \times 1.6}$

Write down all the figures on your calculator display.

$26.5 \div 4 (1)$

Answer 6.625 (1) [2 marks]

(d) Round your answer to part (c) to 1 decimal place.

Answer 6.6 (1) [1 mark]

(e) the cube root of 15.625

Answer 2.5 (1) [1 mark]**3**Use your calculator to work out $(-3.2)^2 - 4 \times (-1.5)$

$10.24 + 6 (1)$

Answer 16.24 (1) [2 marks]**4**

(a) Round 3.14159 to 2 decimal places.

Answer 3.14 (1) [1 mark]

(b) Round 3.14159 to 3 decimal places.

Answer 3.142 (1) [1 mark]

(c) Truncate 7.896 to 1 decimal place.

Answer 7.8 (1) [1 mark]

5

- (a) Tia works out a cost in pounds. Her calculator display shows 4.5

Write this amount of money correctly.

Answer £ 4.50 (1)

[1 mark]

- (b) Tia works out a time in hours. Her calculator display shows 2.25

Write this time in hours and minutes.

$$0.25 \times 60 = 15 \text{ (1)}$$

Answer 2 hours 15 minutes (1)

[2 marks]

6

Use your calculator to work out

(a) $\frac{3}{4} + \frac{5}{6}$

Answer $\frac{19}{12}$ or $1\frac{7}{12}$ (1)

[1 mark]

(b) $2\frac{1}{3} \times 1\frac{1}{2}$

Answer $3\frac{1}{2}$ (1)

[1 mark]

(c) $\frac{5}{8}$ of 124

Answer 77.5 (1)

[1 mark]

7

Sam works out that $23.4 \times 16 = 374.4$

Write down a division Sam could do on his calculator to check his answer.

Answer $374.4 \div 16$ or $374.4 \div 23.4$ (1)

[1 mark]

8

Tickets for a museum cost £7.85 each.

A teacher buys 23 tickets and pays with £200

Work out how much change the teacher gets.

$$7.85 \times 23 = 180.55 \text{ (1)}$$

$$200 - 180.55 \text{ (1)}$$

Answer £ 19.45 (1)

[3 marks]

9 Use your calculator to work out $\sqrt{(6.5^2 - 2.5^2)}$

$$42.25 - 6.25 = 36 \text{ (1)}$$

Answer 6 (1)

[2 marks]

Question	Topic	RAG
1	I can use the order of operations (BIDMAS), including brackets	
2	I can use the power, root and fraction keys	
3	I can enter negative numbers	
4	I can round and truncate decimals	
5	I can interpret a calculator display for money and time	
6	I can calculate with fractions on a calculator	
7	I can use an inverse operation to check	
8	I can solve a money problem with a calculator	
9	I can work out a calculation in the correct order	