

Number

ANSWERS

No calculator | 30 minutes | Total marks: 30

Name _____ Class _____

- 1 (a) Write these numbers in order of size. Start with the smallest.

0.305 0.35 0.053 0.5 0.035

Answer 0.035, 0.053, 0.305, 0.35, 0.5 (1) [1 mark]

- (b) Write < or > in the box.

-2.5 -2.05 (1)

[1 mark]

- 2 (a) Work out $5 + 3 \times 2^2$

Answer 17 (1) [1 mark]

- (b) Work out $\frac{(7-3)^2}{8}$

$\frac{16}{8}$ (1)

Answer 2 (1) [2 marks]

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

$$4 + 2 \times 5 - 1 = 12$$

$$4 + 2 \times (5 - 1) = 12 \text{ (1)}$$

[1 mark]

3

Work out

(a) 3.6×100

Answer 360 (1) [1 mark]

(b) 47×0.1

Answer 4.7 (1) [1 mark]

(c) $\frac{5.2}{0.01}$

Answer 520 (1) [1 mark]

4

Work out 3.4×26

$$34 \times 26 = 680 + 204 = 884 \text{ (1)(1)}$$

Answer 88.4 (1) [3 marks]

5

Work out $1035 \div 23$

$$23 \times 40 = 920 \text{ (1)}$$

$$1035 - 920 = 115, \text{ and } 23 \times 5 = 115 \text{ (1)}$$

Answer 45 (1) [3 marks]

6

Work out

(a) $-7 + 4$

Answer -3 (1)

[1 mark]

(b) $5 - -3$

Answer 8 (1)

[1 mark]

(c) -6×-4

Answer 24 (1)

[1 mark]

(d) $\frac{-20}{5}$

Answer -4 (1)

[1 mark]

7

(a) Round 68 430 to 1 significant figure.

Answer 70 000 (1)

[1 mark]

(b) Round 0.04728 to 1 significant figure.

Answer 0.05 (1)

[1 mark]

(c) Use rounding to estimate the value of 38.6×4.9

$40 \times 5 (1)$

Answer 200 (1)

[2 marks]

8

A shop sells batteries in two sizes of pack.

Pack A has 4 batteries and costs £3.40

Pack B has 6 batteries and costs £4.80

Which pack is better value?

You **must** show your working.

$A: 340 \div 4 = 85p \text{ each } (1)$

$B: 480 \div 6 = 80p \text{ each } (1)$

Answer Pack B (1)

[3 marks]

9

£1 = €1.15

Change £80 into euros.

$$80 \times 1.15 \text{ (1)}$$

Answer € 92 (1)

[2 marks]

10

The length of a pencil is 8 cm to the nearest centimetre.

Complete the error interval for the length, l , of the pencil.

$$7.5 \leq l < 8.5 \text{ (1)(1)}$$

[2 marks]

Question	Topic	RAG
1	I can order decimals and use inequality signs	
2	I can use the order of operations (BIDMAS)	
3	I can multiply and divide by powers of 10, including 0.1 and 0.01	
4	I can multiply a decimal by a two digit number	
5	I can use long division	
6	I can calculate with negative numbers	
7	I can round to 1 significant figure and estimate	
8	I can find the better value	
9	I can convert between currencies	
10	I can write an error interval	