

Related Calculations and Inverse Operations

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

Name _____

Total marks: **22**

Answer **all** questions in the spaces provided. Show your working: marks are given for correct method. Do not use a calculator.

1 Write down the missing number in each box.

(a) $540 \div \square = 9$

.....
(1)

(b) $\square \div 0.5 = 14$

.....
(1)

(Total for Question 1 is 2 marks)

- 2** $6.8 \times 72 = 489.6$
Use this result to find the value of

(a) 68×7.2

.....
(1)

(b) 0.068×72

.....
(1)

(c) $489.6 \div 0.72$

.....
(1)

(Total for Question 2 is 3 marks)

- 3** You know that $58 \times 3.7 = 214.6$
Use this to write down the value of $2146 \div 5.8$

.....
(1)

(Total for Question 3 is 1 mark)

- 4** $19 \times 43 = 817$
Use this fact to work out the value of

(a) 19×44

.....
(1)

(b) $817 \div 0.43$

.....
(1)

(Total for Question 4 is 2 marks)

- 5** You are given that $8.4 \times 1.25 = 10.5$
Work out

(a) $10.5 \div 0.84$

.....
(1)

(b) 840×12.5

.....
(1)

(Total for Question 5 is 2 marks)

6 (a) Work out 36×24

.....
(2)

(b) Use your answer to part (a) to write down the value of $864 \div 2.4$

.....
(1)

(Total for Question 6 is 3 marks)

7 Kaz says,
‘ $7.2 \div 0.4 = 1.8$ ’

Use a multiplication to show that Kaz is wrong.

.....
(2)

(Total for Question 7 is 2 marks)

- 8 Tariq has a length of rope.
He cuts 35 cm off the rope.
He then cuts the rest of the rope into 4 pieces of equal length.
Each of the 4 pieces is 60 cm long.
Work out the length of the rope Tariq started with.

..... cm
(2)

(Total for Question 8 is 2 marks)

- 9 Sophie says,
‘ $32 \times 7 = 224$, so $3.2 \times 0.7 = 22.4$ ’
Is Sophie correct?
You must give a reason for your answer.

(2)

(Total for Question 9 is 2 marks)

- 10** Mia buys 14 pens.
Each pen costs £1.35
She pays with a £20 note.
You are given that $14 \times 135 = 1890$
How much change should Mia get?

£

(3)

(Total for Question 10 is 3 marks)
