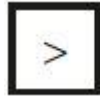


These questions can be solved using the various mental methods and strategies that we have learnt. However, you must show your working out when you have been given a working out box. Additionally, it is good to double check your answers and use jottings throughout.

Q1.



Write the correct symbol in each box to make the statements correct.

11×12 15×10

$90 \div 30$ $60 \div 20$

$120 \div 4$ $160 \div 8$

30×8 100×10

2 marks

Q4.

The numbers in this sequence increase by 3 each time.

3 6 9 12 . . .

The numbers in this sequence increase by 5 each time.

5 10 15 20 . . .

Both sequences continue.

Write a number **greater than 100** which will be in **both** sequences.

Show your method

2 marks

Q5.

Josh thinks of a number.



He adds 4

He multiplies his result by 3

Then he takes away 9

His final answer is 90

What number did Josh start with?

1 mark

Q6.

Use the digits **2, 3** and **4** once to make the multiplication which has the **greatest product**.

$$\square \square \times \square$$

1 mark

Q7.

Two children take part in a sponsored silence.



Laura

'I kept quiet from 10:30 to 10:35 in the morning. I got £3.42 a minute.'



Carl

'I kept quiet for half an hour. I got 35p a minute.'

How much money did each child get?

Laura	£
Carl	£

Q8.

Write the missing number.

$$4 \times 5 \times \boxed{} = 140$$

1 mark

Q9.Write the missing number to make this **division** correct.

$$0.3 \div \boxed{} = 0.03$$

1 mark

Q10.

Amina's bed is 190 cm in length and 91 cm in width.

She is making a **one-tenth** scale model of the bed.

What are the length and width of Amina's model?

length = cm

width = cm

1 mark

Q11.Write the missing number to make this **division** correct.

$$75 \div \boxed{} = 7.5$$

1 mark

Q12.

Complete these calculations.

$$15 \times 100 = \boxed{}$$

$$\boxed{} \times 10 = 1500$$

$$\boxed{} \div 100 = 150$$

$$150 \div 10 = \boxed{}$$

2 marks

Q13.

Here are five number cards.

0.47
10
100
1000
4.07

Use **four** of the cards to complete these calculations.

$$47 \div \boxed{} = \boxed{}$$

$$\boxed{} \times \boxed{} = 40.7$$

1 mark

Q14.

Write in the missing number.

$$3400 \div \boxed{} = 100$$

1 mark

Q15.

Write what the **four missing digits** could be.

$$\boxed{}\boxed{}\boxed{}\boxed{} \div 10 = \boxed{3}\boxed{}$$

1 mark

Q16.

Write in the missing **three-digit** number.

$$\boxed{}\boxed{}\boxed{} \div 10 = 20$$

1 mark

Q17.

Complete the number sentences using these cards.

$\times 10$	$\div 10$	$\times 100$	$\div 100$
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$$25 \boxed{} = 2.5$$

$$7 \boxed{} = 0.07$$

$$3.6 \boxed{} = 360$$

2 marks

Q18.

1 gallon is 4.546 litres.

How many litres are needed to fill a 10 gallon tank?

litres
