

8300

GCSE MATHEMATICS

Foundation tier – Questions by Topic

Number

Decimal place value

v1.0

Name _____

Materials

For this paper you must have:

- Mathematical instruments
- You must not use a calculator



Information

- The marks for questions are shown in brackets

Advice

- In all calculations, show clearly how you work out your answer

Q1.

Circle the value of the digit 9 in the number 7.962

$$\frac{9}{1000}$$

$$\frac{9}{100}$$

$$\frac{9}{10}$$

9

(Total 1 mark)

Q2.

What is the value of the digit 7 in 3.72?

Circle your answer.

$$\frac{1}{70}$$

$$\frac{7}{10}$$

$$\frac{1}{7}$$

$$\frac{7}{100}$$

(Total 1 mark)

Q3.

Circle the value of the digit 3 in the number 17.03

$$\frac{3}{10}$$

$$\frac{1}{30}$$

$$\frac{3}{100}$$

$$\frac{1}{300}$$

(Total 1 mark)

Q4.

What is the value of 3 in the answer to $13.78 \div 100$?

Circle your answer.

3

300

0.3

0.03

(Total 1 mark)

Q5.

Circle the value of the digit 7 in 9.17

$$\frac{1}{70}$$

$$\frac{1}{7}$$

$$\frac{7}{10}$$

$$\frac{7}{100}$$

(Total 1 mark)

Q6.

Circle the value of the digit 3 in the number 10.23

$$\frac{3}{1000}$$

$$\frac{3}{100}$$

$$\frac{3}{10}$$

3

(Total 1 mark)

Q7.

Circle the value of the digit 9 in 0.094

$$\frac{9}{100}$$

$$\frac{9}{10}$$

$$\frac{1}{90}$$

$$\frac{1}{9}$$

(Total 1 mark)

Q8.

- (a) Jess ran a race in 54.34 seconds.
The winning time was 2 hundredths of a second less than her time.
What was the winning time?

(Total 1 mark)

Q9.

Here is a list of four numbers.

6.92 7.27 7.18 7.14

Use **one** number from the list to complete each statement.

The number closest in value to 7 is _____

The number that rounds to 7.2 to 1 decimal place is _____

(Total 2 marks)

Q10.

Circle the value of the digit 2 in the answer to $5200 \div 10$

2 20 200 2000

(Total 1 mark)

Q11.

Work out the number 10 times bigger than $\frac{7}{100}$
Give your answer as a decimal.

(Total 2 marks)

Q12.

Write down the value of the 2 in the answer to $32.78 \div 100$

(Total 1 mark)

Q13.

- (a) Write in figures the number thirty thousand and sixteen

(1)

- (b) Write in words the number 0.43

(1)

- (c) Write down the **value** of the digit 9 in the number 41 982

(1)

(Total 3 marks)

Q14.

Write a number in each box to make the calculation correct.

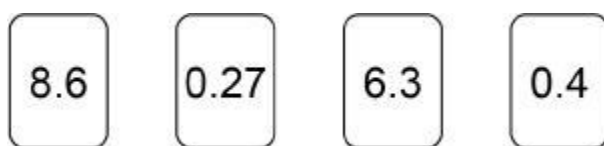
$$2.3 \times \boxed{} = 23$$

$$23 \div \boxed{} = 0.23$$

(Total 2 marks)

Q15.

Here are four number cards.



- (a) Choose **two** of the cards to make the answer to this calculation a whole number.
Include the answer to the calculation.

$$\boxed{} + \boxed{} = \underline{\hspace{2cm}}$$

(2)

- (b) Choose **two** of the cards to make the answer to this calculation as large as possible.
Include the answer to the calculation.

$$\boxed{} - \boxed{} = \underline{\hspace{2cm}}$$

(2)

(Total 4 marks)