

8300

GCSE MATHEMATICS

Foundation tier – Questions by Topic

Number

Integer 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.

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)

Q2.

(a) Write the number four thousand eight hundred and twenty in figures.

(1)

(b) Write down the value of the digit 7 in the number 27 354.

(1)

(c) Write the number 8279 correct to the nearest 100.

(1)

(Total 3 marks)

Q3.

(a) Write four thousand and nineteen in figures.

(1)

(b) What is the value of the 7 in 2780?

(1)

(Total 2 marks)

Q4.

Write down the value of the digit 7 in 34 728

(Total 1 mark)

Q5.

(a) Write the number sixteen thousand three hundred in figures.

(1)

(b) Write down the value of the 5 in the number 42 561

(1)

(c) Work out $312\,000 \div 100$

(1)

(Total 3 marks)

Q6.

Circle the value of the digit 5 in 256 934

5000

500 000

50

50 000

(Total 1 mark)

Q7.

- (a) Circle the number one thousand two hundred

120 1200 12 000 120 000 1 200 000

(1)

- (b) Circle the number one hundred and twenty thousand

120 1200 12 000 120 000 1 200 000

(1)

- (c) Circle the number which has the same value as one million.

10^3 10^4 10^5 10^6 10^7

(1)

(Total 3 marks)

Q8.

- (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)

Q9.

- (a) Write 1607 in words.

(1)

- (b) What is the value of the digit 5 in 13 058?

(1)

- (c) Round 17 809 to the nearest thousand.

(1)

(Total 3 marks)

Q10.

Here are four cards.



- (a) Write down the value of the digit 5 in the number 5348

(1)

- (b) Write the number 5348 to the nearest hundred.

(1)

- (c) What is the largest number you can make using all four cards?

(1)

- (d) What is the smallest **odd** number you can make using all four cards?

(1)

(Total 4 marks)

Q11.

These cards show the number 4763.



- (a) Write the number 4763 in words.

(1)

- (b) What is the smallest number you can make using **all** four cards?

Four empty rounded rectangular boxes are arranged horizontally for writing the answer.

(1)

- (c) What is the largest **even** number you can make using **all** four cards?

Four empty rounded rectangular boxes are arranged horizontally for writing the answer.

(2)

- (d) Write the number 4763 to the nearest 1000.

(1)

(Total 5 marks)

Q12.

Here are four number cards.



- (a) Write the number 6217 in words.

(1)

- (b) Write the number 6217 to the nearest 10.

(1)

- (c) Use all **four** cards to show the smallest possible number.

Four empty rounded rectangular boxes are arranged horizontally for writing the answer.

(1)

- (d) Use all **four** cards to show a number with a value as close to 4000 as possible.

Four empty rounded rectangular boxes are arranged horizontally for writing the answer.

(1)

(Total 4 marks)