



GCSE Maths

Numbers

Place Value

Name:

Date:

Materials

You can use a calculator for these questions



Tips

Show how you worked out the answer if you can.

Simple Questions

1. Identifying Place Value

What is the place value of the digit **6** in the number **3,647**?

Answer _____ [1 mark]

2. Writing Numbers in Words

Write the number **408,120** in words.

Answer _____ [1 mark]

3. Rounding to the Nearest 10

Round **462** to the nearest **10**.

Answer _____ [1 mark]

4. Rounding to the Nearest 100 and 1,000

(a) Round **8,395** to the nearest **100**.

(b) Round **8,395** to the nearest **1,000**.

Answer (a) _____ [1 mark]

Answer (b) _____ [1 mark]

5. Comparing Decimals

Which of the following numbers is the smallest?

A) 0.95 B) 0.509 C) 0.590 D) 0.905

Answer _____ [1 mark]



Medium Questions

6. Multiplying and Dividing by Powers of 10

(a) Multiply **7.38** by **1,000**.

(b) Divide **45,600** by **100**.

Answer (a) _____ [2 mark]

Answer (b) _____ [2 mark]

7. Writing Numbers in Standard Form

Write **54,000** in standard form.

Answer _____ [2 mark]

8. Rounding to Significant Figures

Round **0.006347** to **2 significant figures**.

Answer _____ [2 mark]

9. Ordering Decimals

Arrange these numbers in ascending order: **0.45, 0.405, 0.54, 0.5**

Answer _____ [2 mark]

10. Understanding Large Numbers

What is the value of the digit **3** in the number **3.27×10^6** ?

Answer _____ [2 mark]



Difficult Questions

11. Identifying Missing Digits from Rounding

A number rounds to **6,800** when rounded to the nearest **100**.
What is the smallest and largest possible value of this number?

Answer _____ [3 mark]

12. Understanding Place Value in a Large Number

The number **9,832,450** is written incorrectly as **9,802,450**.
By how much has the value of the number changed?

Answer _____ [3 mark]

13. Comparing and Estimating in Standard Form

Which is larger, 4.2×10^5 or 3.8×10^6 ? Explain your reasoning.

Answer _____ [3 mark]

14. Converting Recurring Decimals to Fractions

Convert **0.43** (0.434343...) into a fraction in its simplest form.

Answer _____ [3 mark]

15. Hard Place Value Problem

A five-digit number is written as **56A3B**. It is divisible by **5** and **3**.
Find the possible values of **A** and **B**.

Answer _____ [3 mark]

