



## Foundation Tier

# Place value and Decimals

### Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- You must **show all your working.**
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- If your calculator does not have a  $\pi$  button, take the value of  $\pi$  to be 3.142 unless the question instructs otherwise.

### Information

- The marks for **each** question are shown in brackets- *use this as a guide as to how much time to spend on each question.*

### Advice

- Read each question carefully before you start to answer it.
  - Keep an eye on the time.
  - Try to answer every question.
  - Check your answers if you have time at the end.
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1. Write the value of the digit 4 in the number 6.349

0.04

(Total for Question 1 is 1 mark)

2. Write the value of the digit 7 in the number 0.872

0.07

(Total for Question 2 is 1 mark)

3. Which is smaller: 3.205 or 3.25?

Give a reason for your answer.

$3.\underline{2}05$  ,  $3.\underline{2}50$

$205 < 250$

3.205

(Total for Question 3 is 1 mark)

4. Which is larger: 0.406 or 0.46?

Give a reason for your answer.

0.406

0.460

$$460 > 406$$

0.460

(Total for Question 4 is 1 mark)

5. Put these numbers in order of size, starting with the smallest:

0.7, 0.07, 0.707, 0.77

0.700, 0.070, 0.707, 0.770  
②      ①      ③      ④

0.07, 0.7, 0.707, 0.770

(Total for Question 5 is 1 mark)

6. Put these numbers in descending order:

5.6, 5.06, 5.606, 5.66

5.600, 5.060, 5.606, 5.660  
②      ①      ③      ④

5.66, 5.606, 5.6, 5.06

(Total for Question 6 is 1 mark)

7. Put these numbers in order of size, starting with the largest:

2.3, 2.03, 2.33, 2.303

2.300, 2.030, 2.330, 2.303  
②      ①      ④      ③

2.33, 2.303, 2.3, 2.03  
....., ....., ....., .....

(Total for Question 7 is 1 mark)

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8. Put these numbers in ascending order:

1.8, 1.08, 1.808, 1.88

1.800, 1.080, 1.808, 1.880  
②      ①      ③      ④

1.08, 1.8, 1.808, 1.88  
....., ....., ....., .....

(Total for Question 8 is 1 mark)

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9. Using the digits 2, 6 and 9, write the largest two-digit number.

(Use each digit at most once.)

96  
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(Total for Question 9 is 1 mark)

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10. Using the digits 1, 3, 7, and 9, write the largest three-digit number.  
(Use each digit at most once.)

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973

(Total for Question 10 is 1 mark)

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11. Using the digits 0, 3, 6 and 8, two two-digit numbers are formed.  
Each digit is used once. Neither number can start with 0.

Find the smallest possible sum.

$$\begin{array}{|c|} \hline 3 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array} + \begin{array}{|c|} \hline 6 \\ \hline \end{array} \begin{array}{|c|} \hline 8 \\ \hline \end{array}$$

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98

(Total for Question 11 is 1 marks)

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