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Centre Number

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Student Number

2025 TESTIFI EXAMINATION

Rounding Decimals

General Instructions

- Reading time – 5 minutes
- Working time – 20 minutes
- Write using black pen
- Calculators approved by NESAs may be used
- A reference sheet is provided at the back of this paper
- For questions in Section II, show relevant mathematical reasoning and/or calculations
- Write your Centre Number and Student Number at the top of this page

Total marks:
12

Section I – 2 marks

- Attempt Questions 1–2

Section II – 10 marks

- Attempt Questions 3–5

Section I

2 marks

Attempt Questions 1–2

Allow about 15 minutes for this section

Use the multiple-choice answer sheet for Questions 1–2.

- 1** A scientist measures three distances: 12.347 km, 8.926 km, and 15.198 km. Calculate the average distance, then round your answer to three decimal places. What is the result?
- A. 12.156 km
 - B. 12.158 km
 - C. 12.157 km
 - D. 12.160 km
- 2** Round 6.834 to one decimal place.
- A. 6.9
 - B. 6.8
 - C. 6.83
 - D. 7.0

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Centre Number

Rounding Decimals

Section II Answer Booklet

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Student Number

10 marks

Attempt Questions 3–5

Instructions

- Write your Centre Number and Student Number at the top of this page.
 - Answer the questions in the spaces provided. These spaces provide guidance for the expected length of response.
 - Your responses should include relevant mathematical reasoning and/or calculations.
 - Extra writing space is provided at the back of this booklet. If you use this space, clearly indicate which question you are answering.
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Please turn over

Question 3 (2 marks)

2

Round the following amounts to two decimal places: \$4.678, \$9.994, \$2.105.

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Question 4 (4 marks)

4

Three runners complete a 5 km race with times of 18.476 minutes, 19.832 minutes, and 17.695 minutes. Calculate their average time, then round your answer to three decimal places. In what situation might rounding this result be more appropriate than using the exact value?

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Question 5 (4 marks)

4

A scientist measures three samples with masses of 12.9847 g, 8.7654 g, and 15.2891 g. Calculate the total mass, then round your answer to two decimal places. In what situation might rounding this result be more appropriate than using the exact value?

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End of paper