FOUNDATION

1.7 Rounding: 10-minute Pack

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 The temperature inside a chest freezer is -18.6°C.
Round -18.6 to the nearest whole number.

(Total for Question 1 is 1 mark)

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2 Round 0.0623 to 1 significant figure.

(Total for Question 2 is 1 mark)

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3 Estimate the value of 213 x 4.8 by rounding each number to 1 significant figure.

(Total for Question 3 is 2 marks)

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4 A machine measures a length as 93.667 metres. Write this length (a) correct to 2 decimal places, (b) correct to 2 significant figures.

(Total for Question 4 is 2 marks)

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5 Pens cost £9.60 each. Ali has £55. What is the greatest number of pens Ali can buy? You must show your working.

(Total for Question 5 is 3 marks)

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Mark scheme · 1.7 Rounding: 10-minute Pack

Question 1

-19 cao	**B1**

Answer: -19°C

Question 2

0.06 cao	**B1**

Answer: 0.06

Question 3

213 rounds to 200 and 4.8 rounds to 5 oe	**M1**
1000 cao, ft from correctly rounded values	**A1**

Answer: 1000

Question 4

93.67 cao	**B1**
94 cao	**B1**

Answer: (a) 93.67, (b) 94

Question 5

55 / 9.60 or 5500 / 960	**M1**
5.73 seen	**A1**
5 (rounded down, with reason)	**B1**

Answer: 5

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