3.3 Estimating: 10-minute Pack

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Round 0.083 to 1 significant figure.

(Total for Question 1 is 1 mark)

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2 Round 359 to 1 significant figure.

(Total for Question 2 is 1 mark)

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3 By rounding each number to 1 significant figure, put a ring around the best estimate for 612 x 0.48

- ☐ A) 600
- ☐ B) 300
- ☐ C) 1200
- ☐ D) 30

(Total for Question 3 is 1 mark)

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4 By rounding to 1 significant figure, work out an estimate for 3.87^2

(Total for Question 4 is 2 marks)

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5 By rounding each number to 1 significant figure, work out an estimate for (6.2 x 19.8) / 3.9

(Total for Question 5 is 3 marks)

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Mark scheme · 3.3 Estimating: 10-minute Pack

Question 1

0.08 cao	**B1**

Answer: 0.08 (to 1 s.f.)

Question 2

400 cao	**B1**

Answer: 400 (to 1 s.f.)

Question 3

B (600 x 0.5 = 300)	**B1**

Answer: B) 300

Question 4

rounding 3.87 to 1 sf, 4	**M1**
16 cao	**A1**

Answer: 16

Question 5

rounding all three values to 1 sf: 6, 20 and 4	**M1**
dep, (6 x 20) / 4 with correct order of operations	**M1**
30 cao	**A1**

Answer: 30

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