FOUNDATION

1.4 Metric Conversions: 1-hour Pack

EDEXCEL 1MA1 · Calculator allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A recipe uses 250 g of rice. A shop has a 4.5 kg bag of rice. How many complete batches of the recipe can be made from the bag?

(Total for Question 1 is 3 marks)

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2 A shop sells bottles of juice. Each bottle holds 330 ml. Work out the total volume, in litres, of 19 bottles.

(Total for Question 2 is 3 marks)

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3 A recipe uses 120 g of sugar. A shop has a 4.4 kg bag of sugar. How many complete batches of the recipe can be made from the bag?

(Total for Question 3 is 3 marks)

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4 Which is greater, 5.5 km or 5535 m? You must show how you decide. Then write down the difference in m.

(Total for Question 4 is 3 marks)

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5 A recipe uses 150 g of flour. A shop has a 2.1 kg bag of flour. How many complete batches of the recipe can be made from the bag?

(Total for Question 5 is 3 marks)

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6 A shop sells bottles of juice. Each bottle holds 400 ml. Work out the total volume, in litres, of 16 bottles.

(Total for Question 6 is 3 marks)

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7 A recipe uses 450 g of butter. A shop has a 4.9 kg bag of butter. How many complete batches of the recipe can be made from the bag?

(Total for Question 7 is 3 marks)

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8 Which is greater, 4.3 litres or 4293 ml? You must show how you decide. Then write down the difference in ml.

(Total for Question 8 is 3 marks)

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9 Aisha walks 3.2 km and then 906 m. Work out the total distance she walks, in km.

(Total for Question 9 is 3 marks)

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10 A recipe uses 300 g of butter. A shop has a 3.6 kg bag of butter. How many complete batches of the recipe can be made from the bag?

(Total for Question 10 is 3 marks)

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11 A shop sells bottles of juice. Each bottle holds 200 ml. Work out the total volume, in litres, of 7 bottles.

(Total for Question 11 is 3 marks)

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12 Aisha walks 1.3 km and then 645 m. Work out the total distance she walks, in km.

(Total for Question 12 is 3 marks)

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13 A shop sells bottles of juice. Each bottle holds 375 ml. Work out the total volume, in litres, of 23 bottles.

(Total for Question 13 is 3 marks)

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14 Which is greater, 6 litres or 6033 ml? You must show how you decide. Then write down the difference in ml.

(Total for Question 14 is 3 marks)

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15 Aisha walks 0.9 km and then 550 m. Work out the total distance she walks, in m.

(Total for Question 15 is 3 marks)

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16 Convert 0.06 kilometres to metres.

(Total for Question 16 is 1 mark)

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Mark scheme · 1.4 Metric Conversions: 1-hour Pack

Question 1

converts 4.5 kg to 4500 g **M1**
divides by 250 **M1**
18 cao **A1**
Answer: 18

Question 2

330 x 19 **M1**
divides by 1000 **M1**
6.27 litres cao **A1**
Answer: 6.27 litres

Question 3

converts 4.4 kg to 4400 g **M1**
divides by 120 **M1**
36 cao **A1**
Answer: 36

Question 4

converts one quantity to the unit of the other **M1**
5535 m is greater **A1**
35 m **B1**
Answer: 5535 m is greater; difference 35 m

Question 5

converts 2.1 kg to 2100 g **M1**
divides by 150 **M1**
14 cao **A1**
Answer: 14

Question 6

400 x 16 **M1**
divides by 1000 **M1**
6.4 litres cao **A1**
Answer: 6.4 litres

Question 7

converts 4.9 kg to 4900 g **M1**
divides by 450 **M1**
10 cao **A1**
Answer: 10

Question 8

converts one quantity to the unit of the other **M1**
4.3 litres is greater **A1**
7 ml **B1**
Answer: 4.3 litres is greater; difference 7 ml

Question 9

converts to the same unit **M1**
adds the two distances **M1**
4.106 km cao **A1**
Answer: 4.106 km

Question 10

converts 3.6 kg to 3600 g **M1**
divides by 300 **M1**
12 cao **A1**
Answer: 12

Question 11

200 x 7 **M1**
divides by 1000 **M1**
1.4 litres cao **A1**
Answer: 1.4 litres

Question 12

converts to the same unit **M1**
adds the two distances **M1**
1.945 km cao **A1**
Answer: 1.945 km

Question 13

375 x 23 **M1**
divides by 1000 **M1**
8.625 litres cao **A1**
Answer: 8.625 litres

Question 14

converts one quantity to the unit of the other **M1**
6033 ml is greater **A1**
33 ml **B1**
Answer: 6033 ml is greater; difference 33 ml

Question 15

converts to the same unit **M1**
adds the two distances **M1**
1450 m cao **A1**
Answer: 1450 m

Question 16

60 m cao **B1**
Answer: 60 m

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