2.10-2 Measures and Units: Practice Set 2: 10-minute Pack

GL ASSESSMENT GL · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A rectangular garden measures 480 cm by 350 cm. Calculate the area of the garden in square metres (m^2).

(3)

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2 Nia is making banana bread. Her recipe for 6 people uses 480 g of flour.

(a) Nia wants to make enough for 15 people. Calculate how many grams of flour she needs. **(2)**

.....

(b) Flour costs £1.60 per kilogram. Calculate the cost of the 1200 g of flour Nia needs. **(2)**

.....

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3 A water tank is filled at a constant rate. It takes 20 minutes to fill 240 litres.

(a) Calculate the rate of flow, in litres per minute. **(2)**

.....

(b) At this rate, calculate how long it would take to fill a 450 litre tank. Give your answer to the nearest minute. **(2)**

.....

4 Convert 4750 g into kilograms.

- ☐ A) 0.475 kg
- ☐ B) 47.5 kg
- ☐ C) 475 kg
- ☐ D) 4.75 kg
- ☐ E) 47500 kg

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Mark scheme · 2.10-2 Measures and Units: Practice Set 2: 10-minute Pack

Question 1

Converts both lengths to metres: 4.8 m and 3.5 m	**M1**
Correct method, e.g. 4.8 x 3.5 (oe)	**M1**
16.8 m² cao	**A1**

Answer: 16.8 m^2

Question 2

(a) Finds the scale factor 15 / 6 = 2.5, or an equivalent correct method	**M1**
(a) 1200 g cao	**A1**

(a) Answer: 1200 g

(b) Converts 1200 g to 1.2 kg and multiplies by 1.60 (oe, ft from part a)	**M1**
(b) £1.92 cao	**A1**

(b) Answer: £1.92

Question 3

(a) 240 / 20 (oe)	**M1**
(a) 12 litres per minute cao	**A1**

(a) Answer: 12 litres per minute

(b) 450 / 12 (oe, using their rate ft from part a)	**M1**
(b) 38 minutes awrt	**A1**

(b) Answer: 38 minutes (awrt)

Question 4

D) 4.75 kg cao	**B1**

Answer: 4.75 kg

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