2.10-3 Measures, Units and Time: Practice Set 3: 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 garden hosepipe is 640 cm long. Convert this length into metres.

- ☐ A) 0.64 m
- ☐ B) 6.4 m
- ☐ C) 64 m
- ☐ D) 6400 m
- ☐ E) 64000 m

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2 A narrowboat travels at a constant speed of 6 km/h for 2 hours 30 minutes. Calculate the distance travelled, in km.

(2)

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3 A shelf is 1 m 45 cm long. Kofi has three boxes, each 38 cm wide, that he wants to line up along the shelf. Calculate how much shelf space, in cm, will be left over after placing the three boxes.

(2)

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4 A car's fuel gauge is a dial with a scale from Empty (E) to Full (F), split into quarters by 3 equally spaced marks. The needle points exactly to the mark closest to F. The tank holds 60 litres when full. Calculate roughly how many litres of fuel are in the tank.

- ☐ A) 50 litres
- ☐ B) 15 litres
- ☐ C) 45 litres
- ☐ D) 30 litres
- ☐ E) 20 litres

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5 A cheetah runs at 25 m/s. Which of these is the same speed in km/h?

- ☐ A) 45 km/h
- ☐ B) 150 km/h
- ☐ C) 90 km/h
- ☐ D) 60 km/h
- ☐ E) 25 km/h

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6 Tram services from Eccles to Media City run every 8 minutes, starting at 06:04. Rhys arrives at the tram stop at 06:39. Calculate how many minutes he must wait for the next tram.

(2)

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7 A measuring cylinder is marked in millilitres, with a labelled line every 10 ml and 4 equally spaced unlabelled lines in between. The liquid level is exactly on the fourth small line above the 60 ml mark. What is the volume of liquid, in ml?

- ☐ A) 66 ml
- ☐ B) 64 ml
- ☐ C) 72 ml
- ☐ D) 70 ml
- ☐ E) 68 ml

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8 Put these four masses in order, starting with the lightest: 1.2 kg, 950 g, 1050 g, 0.8 kg.

(1)

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Mark scheme · 2.10-3 Measures, Units and Time: Practice Set 3: 10-minute Pack

Question 1

B) 6.4 m cao **B1**

Answer: 6.4 m

Question 2

6 * 2.5 (oe) **M1**

15 km cao **A1**

Answer: 15 km

Question 3

Converts to 145 cm and finds 3 * 38 = 114 (oe) **M1**

31 cm cao **A1**

Answer: 31 cm

Question 4

C) 45 litres cao **B1**

Answer: 45 litres

Question 5

C) 90 km/h cao **B1**

Answer: 90 km/h

Question 6

Identifies the tram departure times and finds that the next one after 06:39 is 06:44 (oe) **M1**

5 minutes cao **A1**

Answer: 5 minutes

Question 7

E) 68 ml cao **B1**

Answer: 68 ml

Question 8

0.8 kg, 950 g, 1050 g, 1.2 kg cao (accept an equivalent order stated in a single consistent unit) **B1**

Answer: 0.8 kg, 950 g, 1050 g, 1.2 kg

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