2.10-2 Measures and Units: Practice Set 2: Test Pack

GL ASSESSMENT GL · Calculators not allowed · about 15 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Convert 6 km into metres.

- [ ] A) 600 m
- [ ] B) 6000 m
- [ ] C) 60000 m
- [ ] D) 6 m
- [ ] E) 60 m

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2 A train departs at 07:38 and arrives at 09:05. Calculate the length of the journey in minutes.

- [ ] A) 80
- [ ] B) 85
- [ ] C) 87
- [ ] D) 90
- [ ] E) 97

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3 A car travels 210 km at a constant speed, completing the journey in 3.5 hours. Calculate the car's average speed.

- [ ] A) 60 km/h
- [ ] B) 65 km/h
- [ ] C) 70 km/h
- [ ] D) 58 km/h
- [ ] E) 52.5 km/h

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4 A map has a scale of 1 : 25000. The distance between two villages on the map is 4 cm. Calculate the real distance between the villages, in km.

- ☐ A) 0.25 km
- ☐ B) 10 km
- ☐ C) 25 km
- ☐ D) 1 km
- ☐ E) 4 km

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5 Show that a speed of 900 metres per minute is equivalent to 54 km/h.

(3)

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6 A tank loses water at a constant rate of 150 ml per minute. Calculate how many litres are lost in 20 minutes.

- ☐ A) 3 litres
- ☐ B) 2 litres
- ☐ C) 1.5 litres
- ☐ D) 30 litres
- ☐ E) 3.5 litres

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7 Which of these masses is the lightest?

- ☐ A) 550 g
- ☐ B) 6 kg
- ☐ C) 580 g
- ☐ D) 0.6 kg
- ☐ E) 0.65 kg

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8 Convert 19 km into metres.

- ☐ A) 19000 m
- ☐ B) 19 m
- ☐ C) 1900 m
- ☐ D) 190 m
- ☐ E) 190000 m

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9 Convert 2 km into metres.

- ☐ A) 2 m
- ☐ B) 2000 m
- ☐ C) 20 m
- ☐ D) 200 m
- ☐ E) 20000 m

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10 Convert 16 km into metres.

- ☐ A) 16000 m
- ☐ B) 160000 m
- ☐ C) 1600 m
- ☐ D) 160 m
- ☐ E) 16 m

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11 A thermometer has a scale in degrees Celsius, with a line every 2 degrees Celsius, labelled 0, 2, 4, up to 40. The tip of the mercury sits exactly halfway between the 24°C line and the 26°C line. State the temperature shown.

(1)

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12 A train departs at 07:49 and arrives at 10:17. Calculate the length of the journey in minutes.

- ☐ A) 268
- ☐ B) 148
- ☐ C) 32
- ☐ D) 212
- ☐ E) 208

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13 Convert 0.75 litres into millilitres.

- ☐ A) 7500 ml
- ☐ B) 7.5 ml
- ☐ C) 75 ml
- ☐ D) 75000 ml
- ☐ E) 750 ml

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

Question 1

B) 6000 m cao **B1**

Answer: 6000 m

Question 2

87 minutes cao **B1**

Answer: 87 minutes

Question 3

60 km/h cao **B1**

Answer: 60 km/h

Question 4

D) 1 km cao **B1**

Answer: 1 km

Question 5

Converts 900 m to 0.9 km (oe) **M1**

Multiplies by 60 to convert per minute to per hour (oe) **M1**

54 km/h cso (answer is given, so full correct working must be shown) **A1**

Answer: 54 km/h (shown)

Question 6

A) 3 litres cao **B1**

Answer: 3 litres

Question 7

A) 550 g cao **B1**

Answer: A) 550 g

Question 8

correct option A (19000 m) cao **B1**

Answer: A) 19000 m

Question 9

correct option B (2000 m) cao **B1**

Answer: B) 2000 m

Question 10

correct option A (16000 m) cao **B1**

Answer: A) 16000 m

Question 11

25°C cao **B1**

Answer: 25°C

Question 12

correct option B (148) cao **B1**

Answer: B) 148

Question 13

750 ml cao **B1**

Answer: 750 ml

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