2.10 Measures and Units: 30-minute Pack

GL ASSESSMENT GL · Calculators not allowed · about 30 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Convert 6,070,000 g to kg.

- [ ] A) 6,070,000,000 kg
- [ ] B) 607,000 kg
- [ ] C) 607 kg
- [ ] D) 6,070 kg
- [ ] E) 60,700 kg

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2 Rhys has a roll of ribbon 4.5 m long and cuts off 3 pieces that are each 45 cm long. How many centimetres of ribbon are left?

- [ ] A) 314 cm
- [ ] B) 316 cm
- [ ] C) -90 cm
- [ ] D) 315 cm
- [ ] E) -130.5 cm

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3 A jug holds 2 litres. Priya fills glasses that each hold 500 ml. How many glasses can be filled from a full jug?

- [ ] A) 4
- [ ] B) 1,000
- [ ] C) 40
- [ ] D) 3
- [ ] E) 5

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4 Convert 6,359 mm to cm.

- [ ] A) 63,590 cm
- [ ] B) 63.59 cm
- [ ] C) 635.9 cm
- [ ] D) 0.6359 cm
- [ ] E) 6.359 cm

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5 Priya has a roll of ribbon 6 m long and cuts off 8 pieces that are each 10 cm long. How many centimetres of ribbon are left?

- [ ] A) 590 cm
- [ ] B) 80 cm
- [ ] C) -20 cm
- [ ] D) -74 cm
- [ ] E) 520 cm

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6 A jug holds 9 litres. Zainab fills glasses that each hold 100 ml. How many glasses can be filled from a full jug?

- [ ] A) 90
- [ ] B) 91
- [ ] C) 900
- [ ] D) 9
- [ ] E) 89

---

7 Convert 903,500 g to kg.

- [ ] A) 9,035 kg
- [ ] B) 903,500,000 kg
- [ ] C) 90.35 kg
- [ ] D) 90,350 kg
- [ ] E) 903.5 kg

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8 A jug holds 6 litres. Harry fills glasses that each hold 200 ml. How many glasses can be filled from a full jug?

- [ ] A) 1,200
- [ ] B) 3
- [ ] C) 30
- [ ] D) 300
- [ ] E) 29

---

9 Convert 748,700 cm to m.

- [ ] A) 74.87 m
- [ ] B) 7,487 m
- [ ] C) 74,870 m
- [ ] D) 748.7 m
- [ ] E) 74,870,000 m

---

10 A jug holds 7 litres. Zainab fills glasses that each hold 100 ml. How many glasses can be filled from a full jug?

- [ ] A) 69
- [ ] B) 700
- [ ] C) 70
- [ ] D) 7
- [ ] E) 71

---

11 Convert 6,871,000 m to km.

- [ ] A) 6,871 km
- [ ] B) 687.1 km
- [ ] C) 687,100 km
- [ ] D) 6,871,000,000 km
- [ ] E) 68,710 km

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12 Convert 86.8 kg to g.

- [ ] A) 8,680 g
- [ ] B) 868 g
- [ ] C) 868,000 g
- [ ] D) 0.0868 g
- [ ] E) 86,800 g

---

13 A jug holds 8 litres. Ffion fills glasses that each hold 125 ml. How many glasses can be filled from a full jug?

- [ ] A) 640
- [ ] B) 1,000
- [ ] C) 65
- [ ] D) 64
- [ ] E) 63

---

14 Convert 868,400 ml to litres.

- [ ] A) 86,840 litres
- [ ] B) 8,684 litres
- [ ] C) 86.84 litres
- [ ] D) 868.4 litres
- [ ] E) 868,400,000 litres

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15 Convert 8,431,000 m to km.

- [ ] A) 84,310 km
- [ ] B) 843.1 km
- [ ] C) 8,431 km
- [ ] D) 8,431,000,000 km
- [ ] E) 843,100 km

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16 Imogen has a roll of ribbon 8.5 m long and cuts off 3 pieces that are each 10 cm long. How many centimetres of ribbon are left?

- ☐ A) 820 cm
- ☐ B) -21.5 cm
- ☐ C) 55 cm
- ☐ D) 819 cm
- ☐ E) 8,470 cm

---

17 A cyclist travels 54 km at an average speed of 15 km/h. Calculate how long the journey takes, giving your answer in hours and minutes.

(2)

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18 A jug holds 4 litres. Aisha fills glasses that each hold 125 ml. How many glasses can be filled from a full jug?

- ☐ A) 32
- ☐ B) 320
- ☐ C) 31
- ☐ D) 33
- ☐ E) 500

---

19 Convert 0.024 litres to ml.

- ☐ A) 2.4 ml
- ☐ B) 0.24 ml
- ☐ C) 24 ml
- ☐ D) 240 ml
- ☐ E) 0.000024 ml

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20 A jug holds 10 litres. Hamza fills glasses that each hold 250 ml. How many glasses can be filled from a full jug?

- [ ] A) 39
- [ ] B) 40
- [ ] C) 4
- [ ] D) 2,500
- [ ] E) 400

---

21 Convert 12,590 mm to cm.

- [ ] A) 1.259 cm
- [ ] B) 125.9 cm
- [ ] C) 125,900 cm
- [ ] D) 12.59 cm
- [ ] E) 1,259 cm

---

22 Mei has a roll of ribbon 7.5 m long and cuts off 5 pieces that are each 10 cm long. How many centimetres of ribbon are left?

- [ ] A) 25 cm
- [ ] B) -42.5 cm
- [ ] C) 740 cm
- [ ] D) 700 cm
- [ ] E) 50 cm

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23 Convert 464,300 g to kg.

- [ ] A) 4,643 kg
- [ ] B) 46,430 kg
- [ ] C) 464,300,000 kg
- [ ] D) 46.43 kg
- [ ] E) 464.3 kg

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24 Kofi has a roll of ribbon 5.75 m long and cuts off 6 pieces that are each 45 cm long. How many centimetres of ribbon are left?

- ☐ A) 530 cm
- ☐ B) 5,480 cm
- ☐ C) -264.25 cm
- ☐ D) 305 cm
- ☐ E) -212.5 cm

---

25 A jug holds 10 litres. Chloe fills glasses that each hold 200 ml. How many glasses can be filled from a full jug?

- ☐ A) 5
- ☐ B) 50
- ☐ C) 51
- ☐ D) 500
- ☐ E) 49

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26 A water tank is filled at a constant rate. It takes 15 minutes to fill 180 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 500 litre tank. Give your answer to the nearest minute. **(2)**

.....

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27 A plank of wood is 2.6 m long.

(a) Write this length in centimetres. **(1)**

(b) Write this length in millimetres. **(1)**

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Mark scheme · 2.10 Measures and Units: 30-minute Pack

Question 1

correct option D (6,070 kg) cao **B1**

Answer: D) 6,070 kg

Question 2

correct option D (315 cm) cao **B1**

Answer: D) 315 cm

Question 3

correct option A (4) cao **B1**

Answer: A) 4

Question 4

correct option C (635.9 cm) cao **B1**

Answer: C) 635.9 cm

Question 5

correct option E (520 cm) cao **B1**

Answer: E) 520 cm

Question 6

correct option A (90) cao **B1**

Answer: A) 90

Question 7

correct option E (903.5 kg) cao **B1**

Answer: E) 903.5 kg

Question 8

correct option C (30) cao **B1**

Answer: C) 30

Question 9

correct option B (7,487 m) cao **B1**

Answer: B) 7,487 m

Question 10

correct option C (70) cao **B1**

Answer: C) 70

Question 11

correct option A (6,871 km) cao **B1**

Answer: A) 6,871 km

Question 12

correct option E (86,800 g) cao **B1**

Answer: E) 86,800 g

Question 13

correct option D (64) cao **B1**

Answer: D) 64

Question 14

correct option D (868.4 litres) cao **B1**

Answer: D) 868.4 litres

Question 15

correct option C (8,431 km) cao **B1**

Answer: C) 8,431 km

Question 16

correct option A (820 cm) cao **B1**

Answer: A) 820 cm

Question 17

Time = distance / speed = 54 / 15 (oe) **M1**

3 hours 36 minutes oe (accept 3.6 hours) **A1**

Answer: 3 hours 36 minutes

Question 18

correct option A (32) cao **B1**

Answer: A) 32

Question 19

correct option C (24 ml) cao **B1**

Answer: C) 24 ml

Question 20

correct option B (40) cao **B1**

Answer: B) 40

Question 21

correct option E (1,259 cm) cao **B1**

Answer: E) 1,259 cm

Question 22

correct option D (700 cm) cao **B1**

Answer: D) 700 cm

Question 23

correct option E (464.3 kg) cao **B1**

Answer: E) 464.3 kg

Question 24

correct option D (305 cm) cao **B1**

Answer: D) 305 cm

Question 25

correct option B (50) cao **B1**

Answer: B) 50

Question 26

(a) 180 / 15 (oe) **M1**

(a) 12 litres per minute cao **A1**

(a) Answer: 12 litres per minute

(b) 500 / 12 (oe, using their rate ft from part a) **M1**

(b) 42 minutes awrt **A1**

(b) Answer: 42 minutes (awrt)

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Question 27

(a) 260 cm cao **B1**

(a) Answer: 260 cm

(b) 2600 mm cao **B1**

(b) Answer: 2600 mm

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