7.5 Measurement: Converting Units: Test Pack

Calculators not allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Write 150 centimetres in metres.

(1)

2 Convert 25 kg to g.

Answer: ___ g

(1)

3 A jug holds 1.25 litres of juice. Grace pours it into glasses that each hold 50 ml.

How many glasses can be filled?

Answer: ___

(2)

4 Write 9:25 am as a 24-hour clock time.

Answer: ___

(1)

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5 Which is bigger, 4.9 km or 4,670 m?

Answer: ___

(2)

6 Which is bigger, 8 kg or 8,104 g?

Answer: ___

(2)

7 How many seconds are there in 6 minutes and 10 seconds?

Answer: ___

(1)

8 Convert 39,000 g to kg.

Answer: ___ kg

(1)

9 Convert 22,000 m to km.

Answer: ___ km

(1)

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10 A scale in ml has big marks every 50 ml, with 10 equal small divisions between each big mark. The first big mark is 0. The pointer is 3 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

(1)

---

11 Which is bigger, 9.5 km or 9,594 m?

Answer: ___

(2)

---

12 One sausage roll weighs 120 g. A pack contains 6 sausage rolls. A shop sells 6 such packs. What is the total mass of all the sausage rolls in kilograms?

(3)

---

13 A jug holds 1.5 litres of juice. Olu pours it into glasses that each hold 50 ml.

How many glasses can be filled?

Answer: ___

(2)

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14 A football pitch is 100 m long. A running track is 2500 cm long. How many metres long is the running track? What fraction of the pitch is the running track's length? Give the fraction in its simplest form.

(2)

---

15 Which is the most sensible capacity for a mug of tea? Tick one.

- ☐ 25 ml
- ☐ 250 ml
- ☐ 2.5 litres

---

16 Write these lengths in order, starting with the shortest.

2 m 150 cm 1.9 m 210 cm

(2)

---

17 Three of these lengths are equal. Tick the length that is NOT equal to the others.

- ☐ 1.5 m
- ☐ 150 cm
- ☐ 15 cm
- ☐ 1500 mm

---

18 Kai says that 0.5 km is the same as 50 m. Is Kai correct? Explain how you know.

(2)

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19 Which is bigger, 8.8 m or 840 cm?

Answer: ___

(1)

20 Which is bigger, 5 kg or 4,860 g?

Answer: ___

(1)

21 Victor buys a bag of potatoes weighing 1.3 kg and a bag of carrots weighing 713 g.

What is the total mass in kg?

Answer: ___ kg

(2)

22 Which is bigger, 1.2 km or 1,051 m?

Answer: ___

(2)

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23 A regular dodecagon has sides of length 14 m.

What is its perimeter?

Answer: ___ m

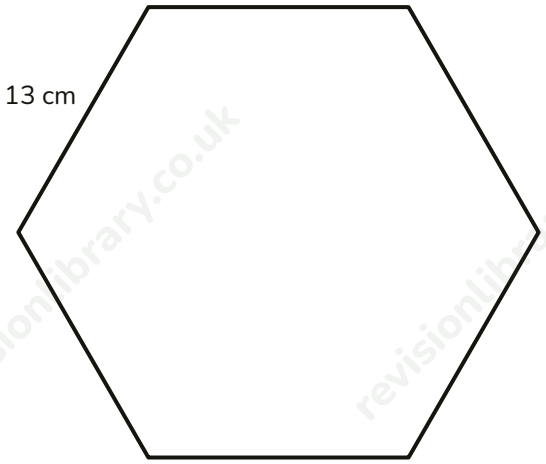
(2)

---

24 A regular hexagon has sides of length 13 cm.

What is its perimeter?

Answer: ___ cm



(2)

---

25 Convert 13,000 m to km.

Answer: ___ km

(1)

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26 Which is bigger, 8.6 m or 594 cm?

Answer: ___

(1)

27 A ribbon is 2 m long. Nia cuts it into pieces that are each 20 cm long.

How many pieces does Nia cut?

Answer: ___

(2)

28 A 3 metre ribbon is cut into 5 equal pieces. How long is each piece in centimetres?

(2)

29 How many days are there in 12 weeks and 4 days?

Answer: ___

(1)

30 Convert 1,200 cm to m.

Answer: ___ m

(1)

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Mark scheme · 7.5 Measurement: Converting Units: Test Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

1.5 m correct (150 cm = 1.5 m) cao — **B1**

Answer: **1.5 m**

Question 2

25,000 g cao — **B1**

Answer: **25,000 g**

Question 3

1.25 litres = 1,250 ml seen — **M1**

25 cao — **A1**

Answer: **25**

Question 4

09:25 cao — **B1**

Answer: **09:25**

Question 5

converts to the same unit — **M1**

4.9 km cao — **A1**

Answer: **4.9 km**

Question 6

converts to the same unit — **M1**

8,104 g cao — **A1**

Answer: **8,104 g**

Question 7

370 cao — **B1**

Answer: **370**

Question 8

39 kg cao — **B1**

Answer: **39 kg**

Question 9

22 km cao — **B1**

Answer: **22 km**

Question 10

65 ml cao — **B1**

Answer: **65 ml**

Question 11

converts to the same unit — **M1**

9,594 m cao — **A1**

Answer: **9,594 m**

Question 12

Find mass of one pack: 6 × 120 g = 720 g — **M1**

Multiply 720 g by 6 packs to get 4320 g — **M1**

4.32 kg cao — **A1**

Answer: **4.32 kg**

Question 13

1.5 litres = 1,500 ml seen — **M1**

30 cao — **A1**

Answer: **30**

Question 14

2500 cm = 25 m seen — **B1**

Fraction 25/100 = 1/4 in simplest form cao — **B1**

Answer: **25 m; 1/4**

Question 15

250 ml cao — **B1**

Answer: **250 ml**

Question 16

converts to one unit: 200 cm, 150 cm, 190 cm, 210 cm (or 2 m, 1.5 m, 1.9 m, 2.1 m) seen — **M1**

150 cm, 1.9 m, 2 m, 210 cm cao — **A1**

Answer: **150 cm, 1.9 m, 2 m, 210 cm**

Question 17

15 cm cao — **B1**

Answer: **15 cm**

Question 18

states that Kai is not correct — **B1**

reason: 0.5 km = 500 m (half of 1000 m), or 50 m is only 0.05 km — **B1**

Answer: **No. 0.5 km is 500 m.**

Question 19

8.8 m cao — **B1**

Answer: **8.8 m**

Question 20

5 kg cao — **B1**

Answer: **5 kg**

Question 21

713 g = 0.713 kg seen — **M1**

2.013 kg cao — **A1**

Answer: **2.013 kg**

Question 22

converts to the same unit — **M1**

1.2 km cao — **A1**

Answer: **1.2 km**

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Question 23

12 x 14	**M1**
168 m cao	**A1**

Answer: **168 m**

Question 24

6 x 13	**M1**
78 cm cao	**A1**

Answer: **78 cm**

Question 25

13 km cao	**B1**

Answer: **13 km**

Question 26

8.6 m cao	**B1**

Answer: **8.6 m**

Question 27

2 m = 200 cm seen	**M1**
10 cao	**A1**

Answer: **10**

Question 28

Converts 3 m to 300 cm and divides by 5 (300 / 5) method	**M1**
60 cm cao	**A1**

Answer: **60 cm**

Question 29

88 cao	**B1**

Answer: **88**

Question 30

12 m cao	**B1**

Answer: **12 m**

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