7.5 Measurement: Converting Units: 1-hour Pack

Calculators not allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Write 1300p in pounds.

Answer: £___

(1)

2 Convert 14 m to mm.

Answer: ___ mm

(1)

3 Which is bigger, 4.9 m or 605 cm?

Answer: ___

(1)

4 Convert 36 litres to ml.

Answer: ___ ml

(1)

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5 Which is bigger, 2.6 litres or 2,439 ml?

Answer: ___

(2)

6 A metal rod is 1.8 metres long. Write its length in millimetres.

(1)

7 A scale in ml has big marks every 10 ml, with 5 equal small divisions between each big mark. The first big mark is 10. The pointer is 1 small division after the second big mark.

What is the reading?

Answer: ___ ml

(2)

8 A rectangle is 27 km long and 7 km wide.

What is its perimeter?

Answer: ___ km

(1)

9 Which is bigger, 4.4 kg or 4,155 g?

Answer: ___

(2)

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10 A rectangle has a perimeter of 106 cm. Its length is 34 cm.

What is its width?

Answer: ___ cm



34 cm

106 cm

(1)

---

11 A jug holds 1.75 litres of juice. Mateo pours it into glasses that each hold 125 ml.

How many glasses can be filled?

Answer: ___

(2)

---

12 Which is bigger, 8.2 kg or 8,170 g?

Answer: ___

(2)

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13 A scale in ml has big marks every 100 ml, with 10 equal small divisions between each big mark. The first big mark is 400. The pointer is 5 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

(2)

---

14 Which is bigger, 6.9 kg or 6,851 g?

Answer: ___

(2)

---

15 A jug holds 4.5 litres of juice. Olu pours it into glasses that each hold 125 ml.

How many glasses can be filled?

Answer: ___

(2)

---

16 Convert 18,000 m to km.

Answer: ___ km

(1)

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17 Convert 390 mm to cm.

Answer: ___ cm

(1)

---

18 A rectangle is 39 m long and 22 m wide.

What is its perimeter?

Answer: ___ m

(1)

---

19 A rectangle is 16 cm long and 8 cm wide.

What is its perimeter?

Answer: ___ cm

(2)

---

20 Write 2800p in pounds.

Answer: £___

(1)

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21 Yusuf buys a bag of potatoes weighing 1.8 kg and a bag of carrots weighing 364 g.

What is the total mass in kg?

Answer: ___ kg

(2)

---

22 Which is bigger, 9.5 kg or 9,581 g?

Answer: ___

(2)

---

23 Which is bigger, 9.5 litres or 9,796 ml?

Answer: ___

(1)

---

24 Write 600p in pounds.

Answer: £___

(1)

---

25 Convert 39 km to m.

Answer: ___ m

(1)

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26 Which is bigger, 4 kg or 3,739 g?

Answer: ___

(2)

27 Which is bigger, 8.4 km or 8,655 m?

Answer: ___

(1)

28 A scale in ml has big marks every 250 ml, with 5 equal small divisions between each big mark. The first big mark is 500. The pointer is 4 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

(2)

29 A classroom set of art paper has 12 boxes. Each box weighs 0.5 kg. What is the total mass of the art paper in grams?

(2)

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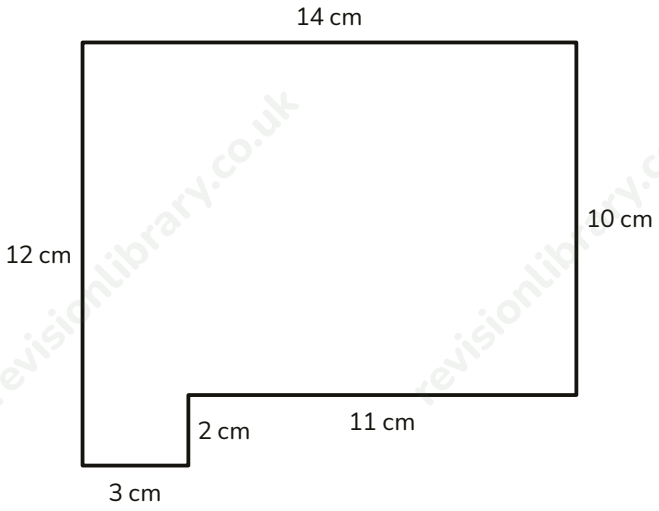
30 A jug contains 2500 ml. Is this equal to 2.5 L? Explain your answer. If another jug holds 3 L, how much more water does the 3 L jug hold than the 2500 ml jug? Give your answer in millilitres.

(3)

31 An L-shaped floor has these sides in order around the shape: 14 cm, 10 cm, 11 cm, 2 cm, 3 cm, 12 cm.

What is the perimeter of the floor?

Answer: ___ cm



(1)

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Mark scheme · 7.5 Measurement: Converting Units: 1-hour Pack

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

Question 1

£13 cao — **B1**

Answer: **£13**

Question 2

14,000 mm cao — **B1**

Answer: **14,000 mm**

Question 3

605 cm cao — **B1**

Answer: **605 cm**

Question 4

36,000 ml cao — **B1**

Answer: **36,000 ml**

Question 5

converts to the same unit — **M1**

2.6 litres cao — **A1**

Answer: **2.6 litres**

Question 6

1800 mm cao — **B1**

Answer: **1800 mm**

Question 7

size of a small division found — **M1**

22 ml cao — **A1**

Answer: **22 ml**

Question 8

68 km cao — **B1**

Answer: **68 km**

Question 9

converts to the same unit — **M1**

4.4 kg cao — **A1**

Answer: **4.4 kg**

Question 10

19 cm cao — **B1**

Answer: **19 cm**

Question 11

1.75 litres = 1,750 ml seen — **M1**

14 cao — **A1**

Answer: **14**

Question 12

converts to the same unit — **M1**

8.2 kg cao — **A1**

Answer: **8.2 kg**

Question 13

size of a small division found — **M1**

550 ml cao — **A1**

Answer: **550 ml**

Question 14

converts to the same unit — **M1**

6.9 kg cao — **A1**

Answer: **6.9 kg**

Question 15

4.5 litres = 4,500 ml seen — **M1**

36 cao — **A1**

Answer: **36**

Question 16

18 km cao — **B1**

Answer: **18 km**

Question 17

39 cm cao — **B1**

Answer: **39 cm**

Question 18

122 m cao — **B1**

Answer: **122 m**

Question 19

adds all four sides or doubles l + w — **M1**

48 cm cao — **A1**

Answer: **48 cm**

Question 20

£28 cao — **B1**

Answer: **£28**

Question 21

364 g = 0.364 kg seen — **M1**

2.164 kg cao — **A1**

Answer: **2.164 kg**

Question 22

converts to the same unit — **M1**

9,581 g cao — **A1**

Answer: **9,581 g**

Question 23

9,796 ml cao — **B1**

Answer: **9,796 ml**

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Question 24

£6 cao	**B1**

Answer: **£6**

Question 25

39,000 m cao	**B1**

Answer: **39,000 m**

Question 26

converts to the same unit	**M1**
4 kg cao	**A1**

Answer: **4 kg**

Question 27

8,655 m cao	**B1**

Answer: **8,655 m**

Question 28

size of a small division found	**M1**
950 ml cao	**A1**

Answer: **950 ml**

Question 29

Convert 0.5 kg to 500 g and multiply by 12 (500 × 12 = 6000 g) method	**M1**
6000 g cao	**A1**

Answer: **6000 g**

Question 30

Convert 2500 ml to 2.5 L seen	**M1**
State that 2500 ml is equal to 2.5 L cao	**B1**
Find difference 3.0 L - 2.5 L = 0.5 L and convert to 500 ml	**M1**

Answer: **Yes; they are equal. 500 ml**

Question 31

52 cm cao	**B1**

Answer: **52 cm**

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