7.2 Measurement: Length, Mass and Capacity: 1-hour Pack

Total Marks

Calculators not allowed · about 60 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Which is bigger, 6.4 kg or 6,250 g?

Answer: ___

(2)

2 Convert 23 km to m.

Answer: ___ m

(1)

3 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 2 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

(2)

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4 Convert 6 litres to ml.

Answer: ___ ml

(1)

---

5 Convert 11 kg to g.

Answer: ___ g

(1)

---

6 A rectangle is 19 mm long and 21 mm wide.

What is its perimeter?

Answer: ___ mm

(1)

---

7 Convert 300 mm to cm.

Answer: ___ cm

(1)

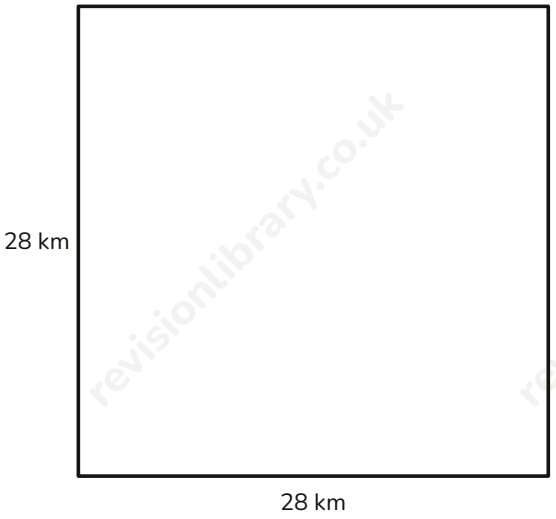
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8 A square has sides of length 28 km.

What is its perimeter?

Answer: ___ km

Diagram NOT accurately drawn



(1)

9 Convert 29 cm to mm.

Answer: ___ mm

(1)

10 A rectangle is 10 mm long and 2 mm wide.

What is its perimeter?

Answer: ___ mm

(2)

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11 Convert 40,000 m to km.

Answer: ___ km

(1)

---

12 A scale in ml has big marks every 50 ml, with 5 equal small divisions between each big mark. The first big mark is 150. The pointer is 1 small division after the second big mark.

What is the reading?

Answer: ___ ml

(2)

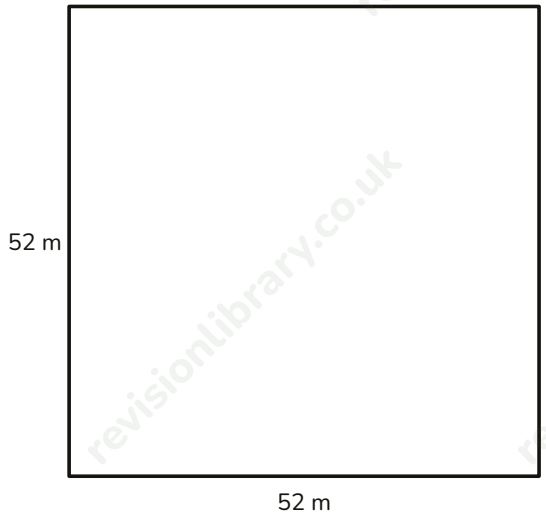
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13 A square has sides of length 52 m.

What is its perimeter?

Answer: ___ m

Diagram NOT accurately drawn



(1)

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14 Which is bigger, 2.1 km or 2,171 m?

Answer: ___

(2)

15 A rectangle is 14 km long and 24 km wide.

What is its perimeter?

Answer: ___ km

(2)

16 A scale in ml has big marks every 200 ml, with 10 equal small divisions between each big mark. The first big mark is 200. The pointer is 7 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

(2)

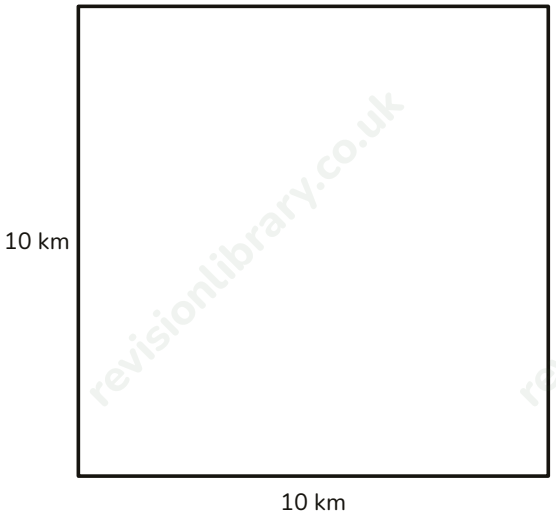
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17 A square has sides of length 10 km.

What is its perimeter?

Answer: ___ km

Diagram NOT accurately drawn



(1)

18 A scale in ml has big marks every 5 ml, with 5 equal small divisions between each big mark. The first big mark is 10. The pointer is 2 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

(2)

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19 Hassan buys a bag of potatoes weighing 2.2 kg and a bag of carrots weighing 271 g.

What is the total mass in kg?

Answer: ___ kg

(2)

---

20 A rectangle is 30 km long and 7 km wide.

What is its perimeter?

Answer: ___ km

(2)

---

21 A rectangle is 23 cm long and 6 cm wide.

What is its perimeter?

Answer: ___ cm

(1)

---

22 Which is bigger, 3 kg or 3,072 g?

Answer: ___

(2)

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23 Convert 32 km to m.

Answer: ___ m

(1)

---

24 A scale in ml has big marks every 250 ml, with 10 equal small divisions between each big mark. The first big mark is 250. The pointer is 6 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

(2)

---

25 Convert 150 mm to cm.

Answer: ___ cm

(1)

---

26 Sarah had 3 kg 200 g of flour. She used 750 g for a cake. How much flour does she have left? Give your answer in kilograms and grams.

(2)

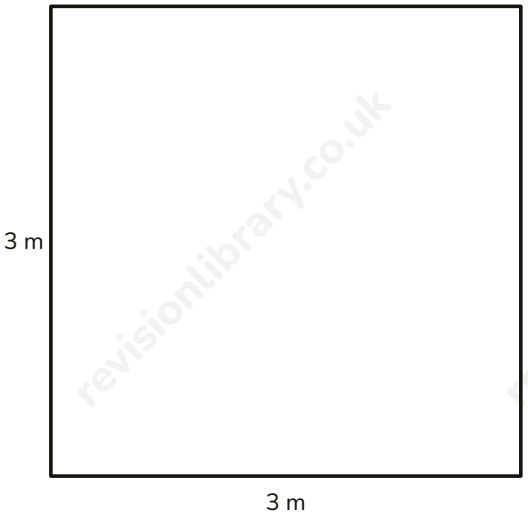
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27 A square has sides of length 3 m.

What is its perimeter?

Answer: ___ m

Diagram NOT accurately drawn



(1)

28 Zara buys a bag of potatoes weighing 1.5 kg and a bag of carrots weighing 799 g.

What is the total mass in kg?

Answer: ___ kg

(2)

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29 A scale in ml has big marks every 100 ml, with 10 equal small divisions between each big mark. The first big mark is 0. The pointer is 5 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

(2)

---

30 Convert 2,100 cm to m.

Answer: ___ m

(1)

---

31 A bag of sugar weighs 750 g. Mia buys 3 bags. What is the total mass in kilograms and grams?

(2)

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Mark scheme · 7.2 Measurement: Length, Mass and Capacity: 1-hour Pack

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

Question 1

converts to the same unit — M1
6.4 kg cao — A1
Answer: **6.4 kg**

Question 2

23,000 m cao — B1
Answer: **23,000 m**

Question 3

size of a small division found — M1
60 ml cao — A1
Answer: **60 ml**

Question 4

6,000 ml cao — B1
Answer: **6,000 ml**

Question 5

11,000 g cao — B1
Answer: **11,000 g**

Question 6

80 mm cao — B1
Answer: **80 mm**

Question 7

30 cm cao — B1
Answer: **30 cm**

Question 8

112 km cao — B1
Answer: **112 km**

Question 9

290 mm cao — B1
Answer: **290 mm**

Question 10

adds all four sides or doubles l + w — M1
24 mm cao — A1
Answer: **24 mm**

Question 11

40 km cao — B1
Answer: **40 km**

Question 12

size of a small division found — M1
210 ml cao — A1
Answer: **210 ml**

Question 13

208 m cao — B1
Answer: **208 m**

Question 14

converts to the same unit — M1
2,171 m cao — A1
Answer: **2,171 m**

Question 15

adds all four sides or doubles l + w — M1
76 km cao — A1
Answer: **76 km**

Question 16

size of a small division found — M1
540 ml cao — A1
Answer: **540 ml**

Question 17

40 km cao — B1
Answer: **40 km**

Question 18

size of a small division found — M1
17 ml cao — A1
Answer: **17 ml**

Question 19

271 g = 0.271 kg seen — M1
2.471 kg cao — A1
Answer: **2.471 kg**

Question 20

adds all four sides or doubles l + w — M1
74 km cao — A1
Answer: **74 km**

Question 21

58 cm cao — B1
Answer: **58 cm**

Question 22

converts to the same unit — M1
3,072 g cao — A1
Answer: **3,072 g**

Question 23

32,000 m cao — B1
Answer: **32,000 m**

Question 24

size of a small division found — M1
650 ml cao — A1
Answer: **650 ml**

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Question 25

15 cm cao	**B1**

Answer: **15 cm**

Question 26

convert 3 kg 200 g to 3200 g and subtract 750 g shown	**M1**
2 kg 450 g cao	**A1**

Answer: **2 kg 450 g**

Question 27

12 m cao	**B1**

Answer: **12 m**

Question 28

799 g = 0.799 kg seen	**M1**
2.299 kg cao	**A1**

Answer: **2.299 kg**

Question 29

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

Answer: **150 ml**

Question 30

21 m cao	**B1**

Answer: **21 m**

Question 31

750 x 3 = 2250 g or conversion method shown	**M1**
2 kg 250 g cao	**A1**

Answer: **2 kg 250 g**

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