7.2 Measurement: Length, Mass and Capacity: Test Pack

Total Marks

Calculators not allowed · about 60 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A pencil is 12 cm long. Write the length in centimetres.

(1)

---

2 Olu buys a bag of potatoes weighing 4 kg and a bag of carrots weighing 357 g.

What is the total mass in kg?

Answer: ___ kg

(2)

---

3 A rectangle is 27 km long and 13 km wide.

What is its perimeter?

Answer: ___ km

(2)

---

4 Add these capacities: 450 ml + 650 ml. Give your answer in litres and millilitres.

(2)

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5 Convert 19 litres to ml.

Answer: ___ ml

(1)

---

6 A water jug holds 2 litres. How many 250 ml cups can be filled from one full jug? Show working.

(3)

---

7 A scale in ml has big marks every 20 ml, with 4 equal small divisions between each big mark. The first big mark is 20. The pointer is 2 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

(2)

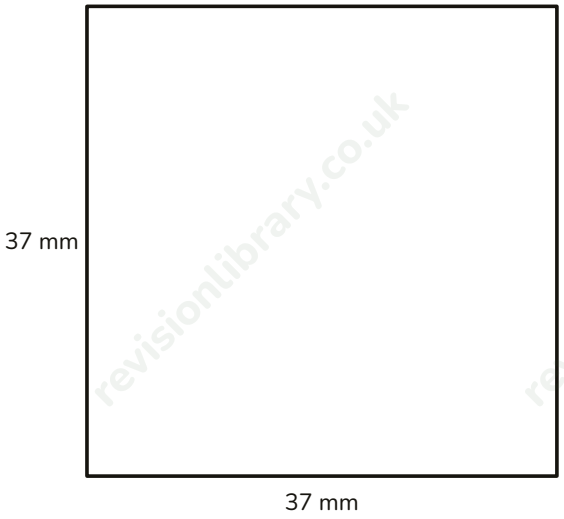
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8 A square has sides of length 37 mm.

What is its perimeter?

Answer: ___ mm

Diagram NOT accurately drawn



(1)

9 Which holds more: a bottle that is 750 ml or a bottle that is 0.8 litres? Tick the correct bottle.

(1)

10 Which is bigger, 9.4 litres or 9,199 ml?

Answer: ___

(2)

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11 A rectangle is 33 km long and 13 km wide.

What is its perimeter?

Answer: ___ km

(2)

---

12 Ella pours 1 litre 250 ml of squash into two equal bottles. How much squash is in each bottle? Show your working.

(2)

---

13 An apple weighs 120 g, a banana weighs 0.15 kg and a pear weighs 95 g. Which piece of fruit is the heaviest? Explain your answer.

(3)

---

14 A ribbon is 1 m 40 cm long. Another ribbon is 140 cm long. Do these two ribbons have the same length? Explain your answer.

(2)

---

15 A toy car is 85 mm long and a toy train is 120 mm long. Which is longer? Tick one box and write how much longer it is.

(1)

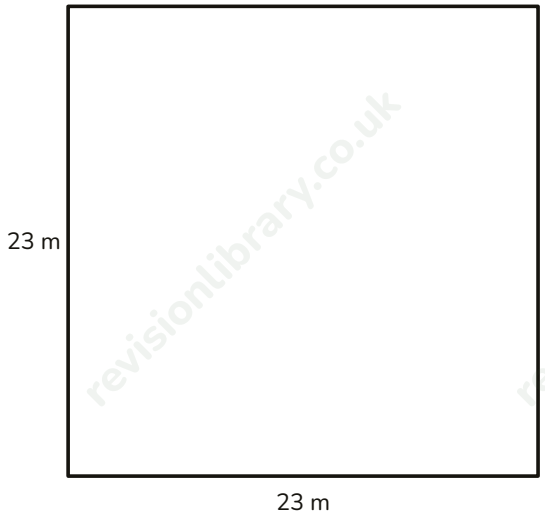
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16 A square has sides of length 23 m.

What is its perimeter?

Answer: ___ m

Diagram NOT accurately drawn



(1)

17 A rectangle is 4 m long and 19 m wide.

What is its perimeter?

Answer: ___ m

(2)

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18 A rectangle is 5 cm long and 20 cm wide.

What is its perimeter?

Answer: ___ cm

(2)

---

19 Convert 220 mm to cm.

Answer: ___ cm

(1)

---

20 Write 1500 mm as metres and centimetres.

(1)

---

21 A scale in ml has big marks every 10 ml, with 10 equal small divisions between each big mark. The first big mark is 60. The pointer is 4 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

(1)

---

22 Order these lengths from shortest to longest: 0.9 m, 90 cm, 85 cm. Write them in that order.

(2)

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23 Convert 17 m to cm.

Answer: ___ cm

(1)

---

24 A rectangle is 10 mm long and 12 mm wide.

What is its perimeter?

Answer: ___ mm

(2)

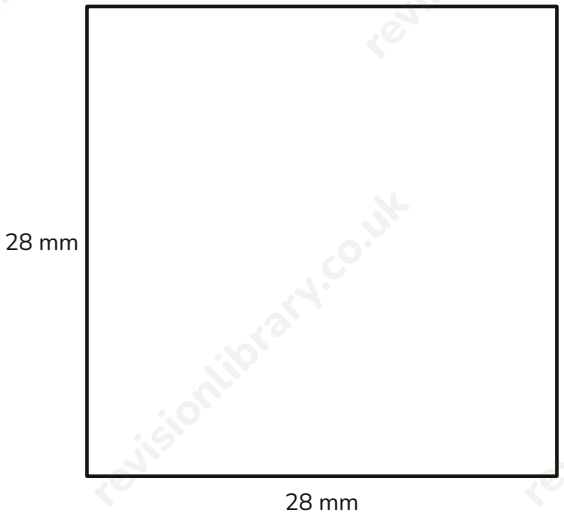
---

25 A square has sides of length 28 mm.

What is its perimeter?

Answer: ___ mm

Diagram NOT accurately drawn



(1)

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26 Which is bigger, 4.1 km or 4,224 m?

Answer: ___

(2)

---

27 Convert 1,600 cm to m.

Answer: ___ m

(1)

---

28 A rectangle is 33 m long and 6 m wide.

What is its perimeter?

Answer: ___ m

(2)

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Mark scheme · 7.2 Measurement: Length, Mass and Capacity: Test Pack

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

Question 1

12 cm cao	B1

Answer: **12 cm**

Question 2

357 g = 0.357 kg seen	M1
4.357 kg cao	A1

Answer: **4.357 kg**

Question 3

adds all four sides or doubles l + w	M1
80 km cao	A1

Answer: **80 km**

Question 4

450 + 650 = 1100 ml shown	M1
1 litre 100 ml cao	A1

Answer: **1 litre 100 ml**

Question 5

19,000 ml cao	B1

Answer: **19,000 ml**

Question 6

convert 2 litres to 2000 ml or equivalent	M1
division 2000 ÷ 250 = 8 seen	M1
8 cups cao	A1

Answer: **8**

Question 7

size of a small division found	M1
50 ml cao	A1

Answer: **50 ml**

Question 8

148 mm cao	B1

Answer: **148 mm**

Question 9

0.8 litres cao (0.8 litres = 800 ml so greater than 750 ml)	B1

Answer: **0.8 litres**

Question 10

converts to the same unit	M1
9.4 litres cao	A1

Answer: **9.4 litres**

Question 11

adds all four sides or doubles l + w	M1
92 km cao	A1

Answer: **92 km**

Question 12

convert 1 litre 250 ml to 1250 ml and divide by 2 shown	M1
625 ml cao	A1

Answer: **625 ml**

Question 13

convert 0.15 kg to 150 g seen	M1
compare 150 g with 120 g and 95 g	M1
banana is heaviest cao	A1

Answer: **Banana**

Question 14

convert 1 m 40 cm to 140 cm or show equivalence	M1
Yes, they are the same length cao	A1

Answer: **Yes**

Question 15

train and 35 mm cao	B1

Answer: **Toy train, 35 mm**

Question 16

92 m cao	B1

Answer: **92 m**

Question 17

adds all four sides or doubles l + w	M1
46 m cao	A1

Answer: **46 m**

Question 18

adds all four sides or doubles l + w	M1
50 cm cao	A1

Answer: **50 cm**

Question 19

22 cm cao	B1

Answer: **22 cm**

Question 20

1 m 50 cm cao	B1

Answer: **1 m 50 cm**

Question 21

74 ml cao	B1

Answer: **74 ml**

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Question 22

evidence of conversion or correct order with at least two placed correctly	**M1**
85 cm, 90 cm, 0.9 m oe (accept 85 cm, 0.9 m, 90 cm, since 90 cm and 0.9 m are equal)	**A1**

Answer: **85 cm, 90 cm, 0.9 m (90 cm and 0.9 m are equal, so either order of the last two is correct)**

Question 23

1,700 cm cao	**B1**

Answer: **1,700 cm**

Question 24

adds all four sides or doubles l + w	**M1**
44 mm cao	**A1**

Answer: **44 mm**

Question 25

112 mm cao	**B1**

Answer: **112 mm**

Question 26

converts to the same unit	**M1**
4,224 m cao	**A1**

Answer: **4,224 m**

Question 27

16 m cao	**B1**

Answer: **16 m**

Question 28

adds all four sides or doubles l + w	**M1**
78 m cao	**A1**

Answer: **78 m**

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