7.2 Measurement: Length, Mass and Capacity: 30-minute Pack

Total Marks

Calculators not allowed · about 30 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A scale in ml has big marks every 10 ml, with 10 equal small divisions between each big mark. The first big mark is 50. The pointer is 7 small divisions after the second big mark.

What is the reading?

Answer: ___ ml

(2)

---

2 Convert 35 kg to g.

Answer: ___ g

(1)

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3 Which is bigger, 2.5 kg or 2,624 g?

Answer: ___

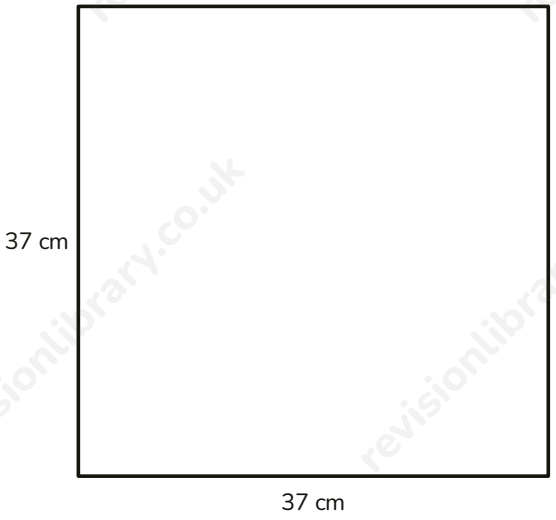
(2)

4 A square has sides of length 37 cm.

What is its perimeter?

Answer: ___ cm

Diagram NOT accurately drawn



(1)

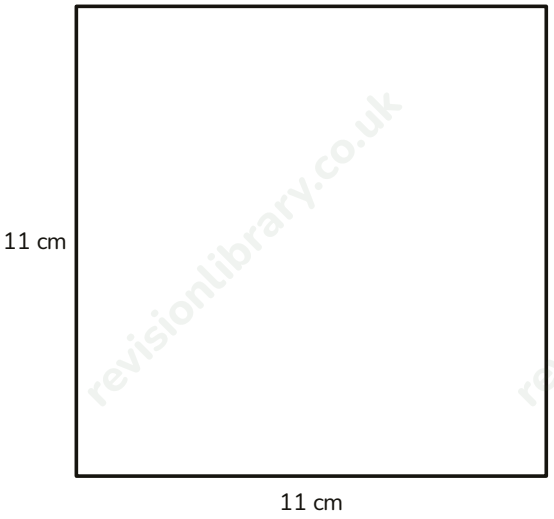
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5 A square has sides of length 11 cm.

What is its perimeter?

Answer: ___ cm

Diagram NOT accurately drawn



(1)

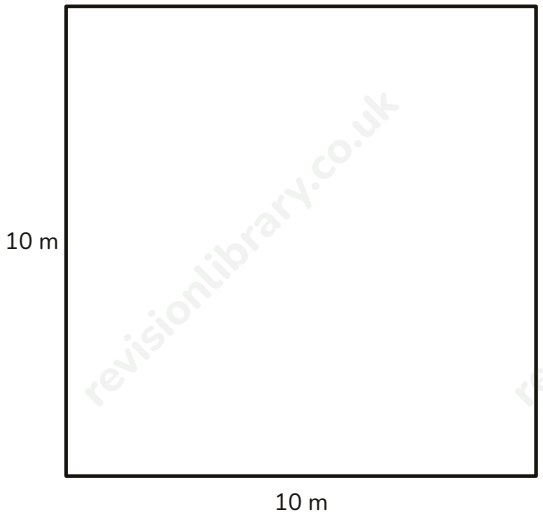
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6 A square has sides of length 10 m.

What is its perimeter?

Answer: ___ m

Diagram NOT accurately drawn



(1)

---

7 Convert 12,000 m to km.

Answer: ___ km

(1)

---

8 Which is bigger, 3.3 km or 3,192 m?

Answer: ___

(1)

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9 A rectangle is 17 mm long and 17 mm wide.

What is its perimeter?

Answer: ___ mm

(2)

---

10 Convert 33,000 m to km.

Answer: ___ km

(1)

---

11 Which is bigger, 2.1 kg or 2,148 g?

Answer: ___

(1)

---

12 Convert 1,700 cm to m.

Answer: ___ m

(1)

---

13 A rectangle is 21 m long and 10 m wide.

What is its perimeter?

Answer: ___ m

(1)

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14 A rectangle is 25 cm long and 5 cm wide.

What is its perimeter?

Answer: ___ cm

(2)

---

15 A jug holds 2.75 litres of juice. Reece pours it into glasses that each hold 250 ml.

How many glasses can be filled?

Answer: ___

(2)

---

16 Omar measured a rope of 3 m and cut off three pieces each 85 cm long. How much rope is left? Give your answer in metres and centimetres.

(3)

---

17 Add the lengths 45 cm and 78 cm. Give your answer in centimetres.

(2)

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Mark scheme · 7.2 Measurement: Length, Mass and Capacity: 30-minute Pack

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

Question 1

size of a small division found	M1
67 ml cao	A1

Answer: **67 ml**

Question 2

35,000 g cao	B1

Answer: **35,000 g**

Question 3

converts to the same unit	M1
2,624 g cao	A1

Answer: **2,624 g**

Question 4

148 cm cao	B1

Answer: **148 cm**

Question 5

44 cm cao	B1

Answer: **44 cm**

Question 6

40 m cao	B1

Answer: **40 m**

Question 7

12 km cao	B1

Answer: **12 km**

Question 8

3.3 km cao	B1

Answer: **3.3 km**

Question 9

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

Answer: **68 mm**

Question 10

33 km cao	B1

Answer: **33 km**

Question 11

2,148 g cao	B1

Answer: **2,148 g**

Question 12

17 m cao	B1

Answer: **17 m**

Question 13

62 m cao	B1

Answer: **62 m**

Question 14

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

Answer: **60 cm**

Question 15

2.75 litres = 2,750 ml seen	M1
11 cao	A1

Answer: **11**

Question 16

convert 3 m to 300 cm and subtract 3 x 85 = 255 cm shown	M1
300 - 255 = 45 cm or equivalent seen	M1
45 cm cao	A1

Answer: **45 cm**

Question 17

addition of 45 and 78 seen	M1
123 cm cao	A1

Answer: **123 cm**

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