



Measurement



Series D – Measurement

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Series D - Measurement

Page 1

- **1a** 600
- **b** 300
- **c** 900

2a-c Answers will vary.

- **3a** 4–6
- **b** 2–3
- **c** 1–2

Page 2

- 1 $2\frac{1}{2}$ cm; 6 cm; 13 cm
- 2a-d Teacher check.

3a–d Answers will vary. Teacher check.

Page 3

- **1a** 138
- **b** 167
- c 282
- **d** 545
- **e** 459
- **f** 290
- **2a** <u>2</u> m <u>17</u> cm
- **b** 3 m 91 cm
- c 4 m 62 cm
- **d** <u>1</u> m <u>13</u> cm
- **e** 8 m 35 cm
- f 1 m 94 cm
- **3a** 50
- **b** 35
- **4a** cm
- **b** m
- **c** m
- **d** cm

Pages 4-5

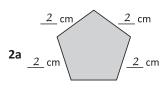
1a–c Answers will vary. Teacher check.

- **2a** 40
- **b** 90
- **c** 20

- **3a** 4
 - **b** 7
- **c** 3
- **4a** 25
- **b** 35
- **c** 15
- **d** 57
- **5a** 38 mm
- **b** 40 mm
- **c** 45 mm
- **d** 36 mm
- **6a** 15
- **b** 57
- **c** 48
- **d** 19
- **e** 83
- **f** 24
- 7b 8 cm 4 mm
- c 2 cm 7 mm
- **d** 1 cm 9 mm
- e 5 cm 3 mm
- **f** 3 cm 6 mm
- **8a** 13
- **b** 58
- c 12
- **d** 19

Page 6

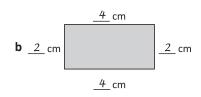
- **1a** $P = \underline{6} + \underline{1} + \underline{6} + \underline{1}$
 - = <u>14 cm</u>
- - = <u>12 cm</u>



2 cm

$$P = \underline{2} + \underline{2} + \underline{2} + \underline{2} + \underline{2}$$

= 10 cm



$$P = 4 + 2 + 4 + 2$$

= 12 cm

Page 7

- 1 C A E B D
- 2 B A D E C
- **3a** 515 mm 51 cm $\frac{1}{2}$ m
- **b** $\frac{1}{4}$ m 24 cm 230 mm

Page 8

- **1a** 4 cm
- **b** 5 cm
- **c** 25 m; 100 m
- **d** 10 m; 1,000 cm
- e Kumar; Mark
- f 400 mm or 40 cm

Page 9

Getting ready

Teacher check.

What to do

Observe students.

Pages 10-11

1a-f













- 2 Teacher check.
- **3a** 500 g
- **b** 250 g
- **c** 400 g
- **d** 850 g

Series D - Measurement

Pages 10-11

3e 750 g

f 600 g



b 200 g 600 g 200 g

c 220 g 480 g 300 g

5 Answers will vary.

6 bananas, oranges, apples, lettuce,

Pages 12-13

1a 75 g

b 82 g

c 500 g

d 1,000 g

e (1,000 g)

f 500 g

2a g

b kg

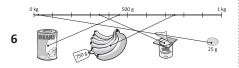
c g

d kg

3a-c Answers will vary.

4a-c Answers will vary.

5a-c Answers will vary.



7a more

b less

c more

d less

8a 350 g

b 250 g

Page 14

1a 300 g

b 1 kg 250 g

c 21 kg 800g

d Fruity Chews; 2 p

e 800 kg

f A, B and E

Page 15

Getting ready

Observe students.

What to do

Answers will vary. Teacher check.

Page 16

a 300

b 750

c 1,750

Page 17

1a-h Answers will vary.

2a-d Answers will vary.

Pages 18-19

1a 4

b 5

c 20

d 1,000

2 Order: d, e, c, b, a

3a ml

b I

c l

d ml

e mlorl

f ml

4a 200 ml

b 500 ml

c 800 ml

d 100 ml

5a c

b d

5c 600 ml

d a, b, d

6a 700 ml

b 600 ml

Page 20

Getting ready

Observe students.

What to do

Answers will vary. Teacher check.

Page 21

1a |

b 600 ml

c 120 l; 990 l

d 6

e 1 | 400 ml

f 1 | 300 ml



Units of length

Complete this fact:

1 m = ____ cm

You will need to have a ruler handy for this test.



Fill the gaps using cm or m:

CHECK

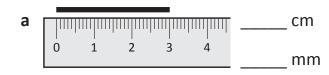
Convert these metres to centimetres:

$$a 7 m = cm$$

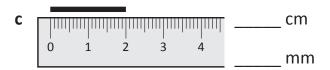
Convert these centimetres to metres:

Write these lengths in centimetres:

Record the length of each line in centimetres and millimetres:



b						cm
	0	1	2	3	4	
						mm



d						 cm
	0	1	2	3	4	mm

Skills	Not yet	Kind of	Got it
Measures lengths or distances using centimetres and metres			
Converts between metres and centimetres			
Converts between centimetres and millimetres			

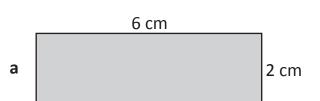
Units of length

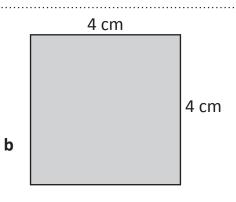
Name ____

For this question, you need a ruler. Create your own design made of only straight lines. It should include these lengths: 20 mm, $\frac{1}{2}$ cm, 10 cm, 12 cm, 5 cm and 8 mm. Label each line.

8 What is a perimeter?

9 Find the perimeters of these shapes.

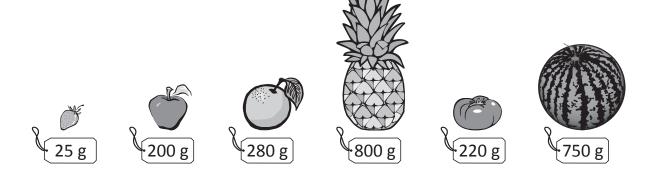




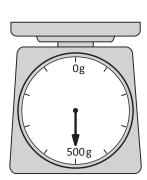
Skills	Not yet	Kind of	Got it
Defines the term 'perimeter'			
Measures the perimeter of rectangles and squares			

1 Convert these kilograms to grams:

2 Here are some fruit with labels showing their mass. Answer the questions below:



- a Which is the heaviest fruit?
- **b** Which is the lightest fruit?
- c How many apples will make 1 kg?
- **d** Look carefully at the row of fruit. Put a ring around two that together will give the mass shown on the scale.



Skills	Not yet	Kind of	Got it
Converts between kilograms and grams			
Identifies objects that have a mass of about one kilogram			

How much liquid do you think each container could hold? Draw a line to match the capacity label to each object.







250 ml

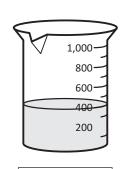
1 l

50 ml

2 Convert these litres to millilitres:

$$|m|$$
 c $1\frac{1}{2}| = m|$

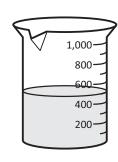
3 Label these containers with the amount of water in each:



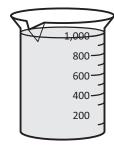
а



b



С



d

Skills	Not yet	Kind of	Got it
Recognises capacity of containers			
Knows one litre = 1,000 ml, half litre = 500 ml			

Series D – Measurement – Student Progress Record

Name		Class	Date	
Hame				
What went well:				
What I need to improve:				
Series D – Measureme	ent – Stude	ent Progress F	Record	
Name		Class	Date	
What went well:				
What I need to improve:				

Series D - Measurement

ASSESSMENT ANSWERS

Pages 3-4

1 100

2a cm

b m

c cm

d m

3a 700

b 200

c 1000

4a 1

b 5

c 3

5a 236

b 516

c 109

6a 3 cm; 30 mm

b $1\frac{1}{2}$ cm; 15 mm

c 2 cm; 20 mm

d 4 cm; 40 mm

7 Teacher check.

8 Perimeter is the total length around the outside of an enclosed space.

9a $P = \underline{6} + \underline{2} + \underline{6} + \underline{2}$

= <u>16</u> cm

b $P = \underline{4} + \underline{4} + \underline{4} + \underline{4}$

= <u>16</u> cm

Page 5

1a 1000 g

b 2000 g

c 9000 g

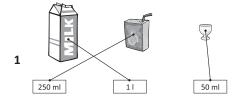
2a pineapple

b strawberry

c 5

 $\boldsymbol{\mathsf{d}}$ Circle orange and tomato.

Page 6



2a 2000

b 4000

c 1500

3a 400 ml

b 100 ml

c 500 ml

d 1000 ml or 1 l

Series D – Measurement

Topic	Reference	Strand	Objective
Units of length	3M1a	Measurement	Compare lengths (m/cm/mm).
Mass	3M1b	Measurement	Compare mass (kg/g).
Volume and capacity	3M1c	Measurement	Compare volume/capacity (I/mI).
Units of length	3M2a	Measurement	Measure lengths (m/cm/mm).
Mass	3M2b	Measurement	Measure mass (kg/g).
Volume and capacity	3M2c	Measurement	Measure volume/capacity (I/mI).
Units of length	3M7	Measurement	Measure the perimeter of simple 2D shapes.
Units of length	3M9b	Measurement	Add and subtract lengths (m/cm/mm).
Mass	3M9c	Measurement	Add and subtract mass (kg/g).
Volume and capacity	3M9d	Measurement	Add and subtract volume/capacity (I/mI).