



Measurement



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Page 1

1 Answers will vary.

Page 2

What to do

Answers will vary.

What to do next

Answers will vary.

Page 3

1a-e Answers will vary.

2 Answers will vary.

Page 4

What to do

a–c Answers will vary.

What to do next

Answers will vary.

Page 5

What to do

Answers will vary.

Page 6

What to do

Answers will vary.

What to do next

Observe students.

Page 7

What to do

Answers will vary.

Do students realise they must use the same measuring tool or combination of tools to compare the lengths?

What to do next

Answers will vary.

Do students realise that lengths can be measured using different tools?

Page 8

1a-e Answers will vary.

2a-e Answers will vary.

Page 9

- Answers will vary. Answers may include: half, bit, some, a little bit or other fractional terms.
- 2 Answers will vary.
- 3 Answers will vary.

Page 10

- 1a Amira
- **b** no gaps, straight across
- 2a Teacher check.
- **b** Answers will vary.

Do students note that measurement is often inexact due to variables?

Page 11

What to do

Answers will vary.

Answers will vary.

Answers will vary. Do students realise that the longer the measuring unit, the fewer units will be required?

What to do next

Answers will vary.

Page 12

- 1 Answers will vary.
- 2 Answers will vary.
- 3 Answers will vary.

Page 13

1a-f Answers will vary.

Page 14

Answers will vary.

Page 15

- Answers will vary.
- 2 Answers will vary.
- 3 Answers will vary.

Page 16

- 1 Answers will vary.
- 2 Answers will vary.

Page 17

- 1a, b Answers will vary.
- 2a, b Answers will vary.
- Answers will vary.

 Students may note that the object with more mass feels heavier or that it pushes down on their hand more.

Page 18

What to do

Answers will vary.

Page 19

Answers will vary.

Page 20

a-f Answers will vary.

Page 21

a-e Answers will vary.

Page 22

What to do

Answers will vary.

What to do next

Observe students.

Page 23

- 1 Answers will vary.
- 2 Answers will vary.
- 3 Answers will vary.

Page 24

- This house is small.
 This house is big.
- **b** This flower is <u>big</u>. This flower is <u>small</u>.
- 2 Answers will vary.

Page 25

1 Answers will vary.

Page 26

- 1 capacity
- 2 Answers will vary.













2a 6

b more than 6 blocks

c 5 or fewer blocks

3



Students can be misled by height. Do they realise it is the total number of blocks that is relevant?

Page 28

What to do:

Observe students.

Whose lunchbox holds the most?

Answers will vary.

What to do next

Answers will vary.

Page 29









2 Answers will vary.
Containers with the capacity of one litre.

Page 30

a-c Answers will vary.

Page 31

What to do

Answers will vary.

What to do next

Answers will vary.

Page 32

What to do

a–c Answers will vary.

What to do next

Answers will vary.

Page 33

What to do

a, b Answers will vary.

What to do next

a-c Answers will vary.



Length

Colour the opposites the same colour.

long

shorter than

about

double

longer than exactly

short

half

2 Use objects to measure the length of this page. Draw or write the objects you used and how many you needed.

3 Draw a line that is

a much longer than this

b a little bit shorter than this

c the same length as this

4 Number the children to order them from shortest to tallest.











- **5** You can use different objects to measure length.
 - **a** Use to measure the length of your





b Use to measure the length of your



c Why might the numbers be different?

6 Use centicubes to measure the length of this line.

	_	_
How long is it?	centicubes	lone
<i>J</i>		_

Skills and understandings	Not yet	Kind of	Got it
Uses a variety of terms to talk about length			
Measures length with informal units			
Compares and orders lengths			
Measures with repeated common units			
Measures with formal units using centicubes			

1 Write some words we use when we talk about mass.

heavier than

2 Draw or write something that

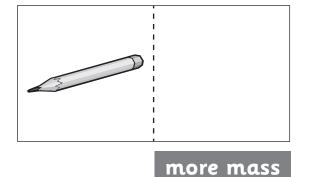
a has a lot of mass

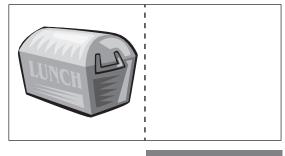
b has a little bit of mass

- c you could lift easily
- **d** you couldn't lift

3 Hold classroom objects in your hands to find something that has more or less mass than the objects below. Draw them.

a

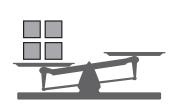




less mass

4 Draw blocks on the empty pan to make the scales look like this.

a



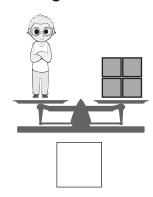
b

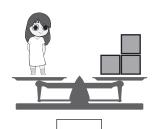


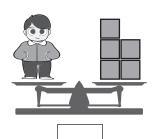
C



5 These children have been balanced with blocks. Order them from lightest to heaviest.







- 6 Draw or write something that is
 - a small AND heavy

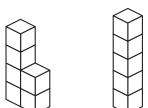
b big AND light

Skills and understandings	Not yet	Kind of	Got it
Uses a variety of terms to talk about mass			
Measures mass by estimating			
Measures mass using informal units			
Compares and orders masses			
Explores the relationship between size and mass			

Volume and capacity

Name_____

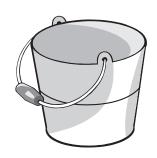
1 a Circle the building with the greater volume.

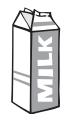


b How do you know it has the greater volume?

2 Circle the container that holds the most and X the container that holds the least.





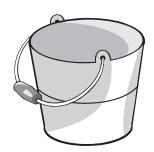




3 Circle the object you would use to fill a bath tub.







4 Circle the box with the greatest volume.







Skills and understandings	Not yet	Kind of	Got it
Measures volume by counting blocks			
Compares and orders capacity of containers			
Selects an appropriate informal measuring unit			

Series B - Measurement - Student Progress Record

Name	Class	Date
nat went well:		
hat I need to improve:		
	nent – Student Progre	
eries B – Measuren		ess Record
eries B – Measuren	nent – Student Progre	ess Record Date
eries B – Measuren	nent - Student Progre	ess Record Date
Series B – Measuren	nent - Student Progre	ess Record Date
Name	nent – Student Progre	Pate
Name	nent - Student Progre	Pate
Name	nent – Student Progre	ess Record Date

ASSESSMENT ANSWERS

Pages 3-4



2 Answers will vary.

3a–c Answers will vary.



5a-c Answers will vary.

6 16

Pages 5-6

Answers will vary.

2a-d Answers will vary.

3a, b Answers will vary.

4a Draw 3 or fewer blocks.

b Draw more than 1 block.

c Draw 2 blocks.

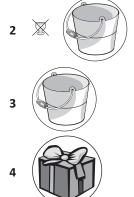


6a-d Answers will vary.

Page 7



b It uses more blocks.



Topic	Reference	Strand	Objective
Length	1M1	Measurement	Compare, describe and solve practical problems for: lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half); mass or weight (e.g. heavy/light, heavier than, lighter than); capacity/volume (full/empty, more than, less than, quarter); and time (quicker, slower, earlier, later).
Length	1M2	Measurement	Measure and begin to record the following: lengths and heights; mass/weight; capacity and volume; and time (hours, minutes, seconds).
Mass	1M1	Measurement	Compare, describe and solve practical problems for: lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half); mass or weight (e.g. heavy/light, heavier than, lighter than); capacity/volume (full/empty, more than, less than, quarter); and time (quicker, slower, earlier, later).
Mass	1M2	Measurement	Measure and begin to record the following: lengths and heights; mass/weight; capacity and volume; and time (hours, minutes, seconds).
Volume and Capacity	1M1	Measurement	Compare, describe and solve practical problems for: lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half); mass or weight (e.g. heavy/light, heavier than, lighter than); capacity/volume (full/empty, more than, less than, quarter); and time (quicker, slower, earlier, later).
Volume and Capacity	1M2	Measurement	Measure and begin to record the following: lengths and heights; mass/weight; capacity and volume; and time (hours, minutes, seconds).