

Homework/Extension

Step 2: Measure Mass 2

National Curriculum Objectives:

Mathematics Year 3: (3M2b) [Measure mass \(kg/g\)](#)

Mathematics Year 3: (3N1b) [Count from 0 in multiples of 4, 8, 50 and 100](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Find the odd one out of mixed measurements of kg and g (in words and on scales) using multiples of 100. Every increment labelled on scales.

Expected Find the odd one out of mixed measurements of kg and g (in words and on scales) using multiples of 50g or 100g. Every other increment labelled on scales.

Greater Depth Find the odd one out of mixed measurements of kg and g (in words and on scales) using multiples of 50g or 100g. Only kilogram increments labelled on scales.

Questions 2, 5 and 8 (Varied Fluency)

Developing Draw arrows to show the missing masses on a scale using mixed measurements of kg and g. Scale increases in increments of 100g; all increments labelled on scales.

Expected Draw arrows to show the missing masses on a scale using mixed measurements of kg and g. Scale increases in increments of 50 or 100; every other increment labelled on scales.

Greater Depth Draw arrows to show the missing masses on a scale using mixed measurements of kg and g. Scale increases in increments of 50 or 100; only kilogram increments labelled on scales.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Combine different weights to make a given mass shown on a scale. All increments labelled in multiples of 100g and no measurements between increments.

Expected Combine different weights to make a given mass shown on a scale. Every other increment labelled in multiples of 50g and no measurements between increments.

Greater Depth Combine different weights to make a given mass shown on a scale. Only kilogram increments labelled; scale increases in multiples of 50g.

More [Year 3 Mass and Capacity](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Measure Mass 2

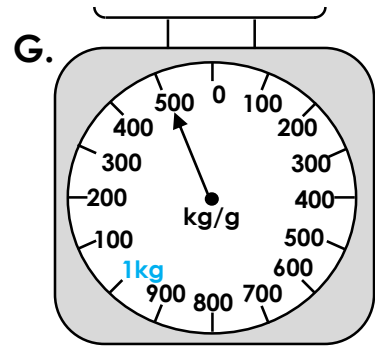
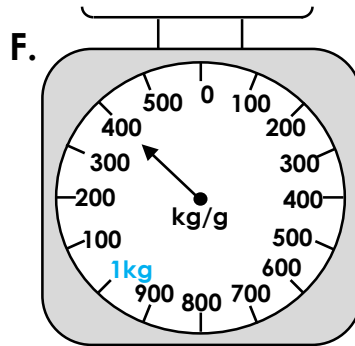
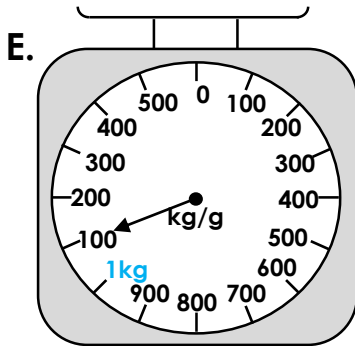
1. Which is the odd one out?

A. 1kg and 400g

B. 1kg and 700g

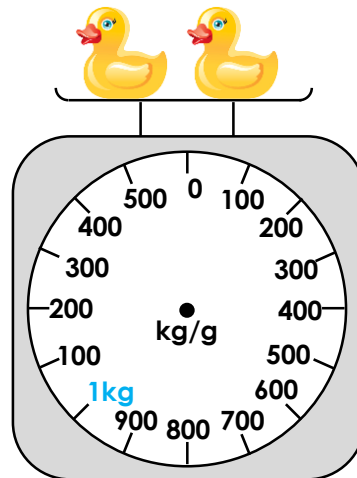
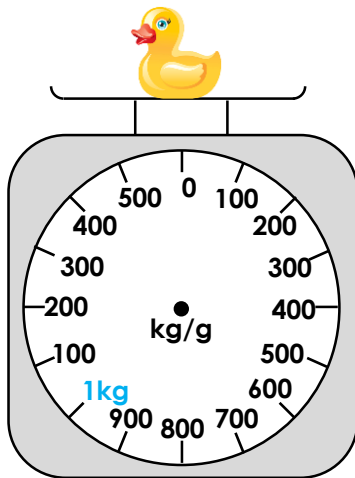
C. 1kg and 500g

D. 1kg and 100g



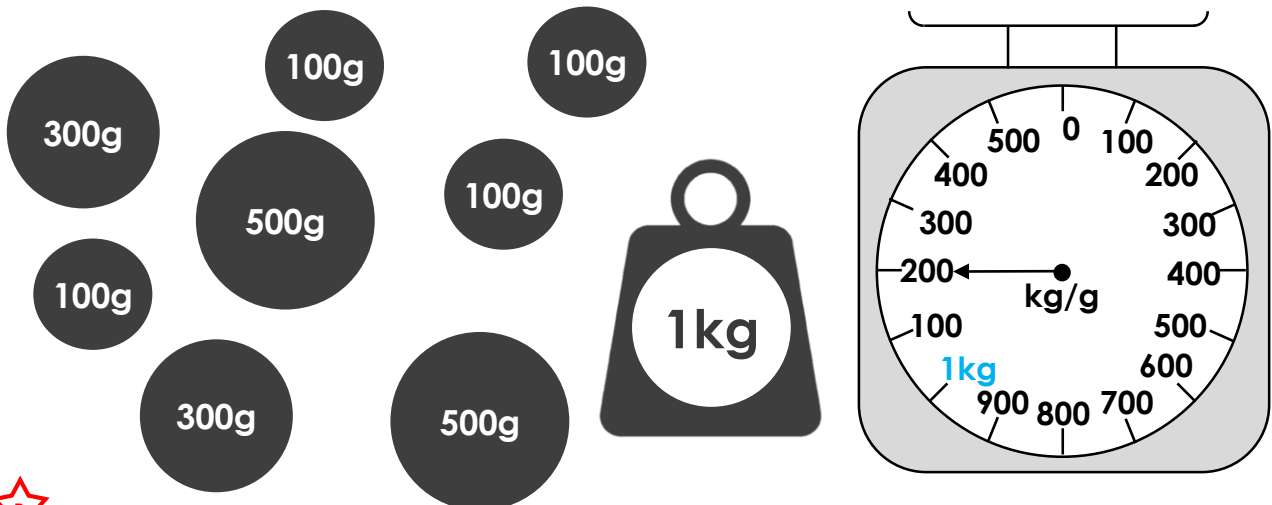
VF
HW/Ext

2. A rubber duck weighs 600g. Draw an arrow on the scales to show each of the missing masses:



VF
HW/Ext

3. Find four combinations of weights that will total the mass shown on the scale.



RPS
HW/Ext

Measure Mass 2

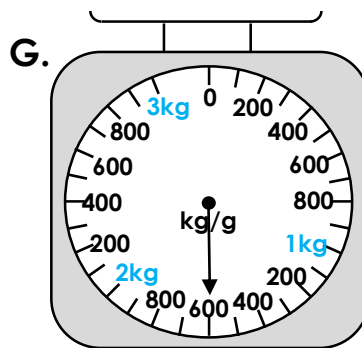
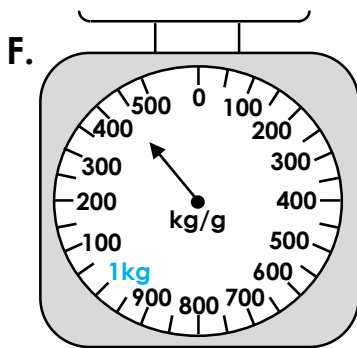
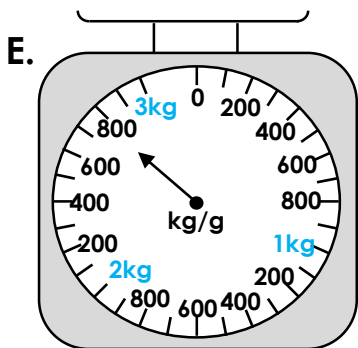
4. Which is the odd one out?

A. 2kg and 50g

B. 1kg and 600g

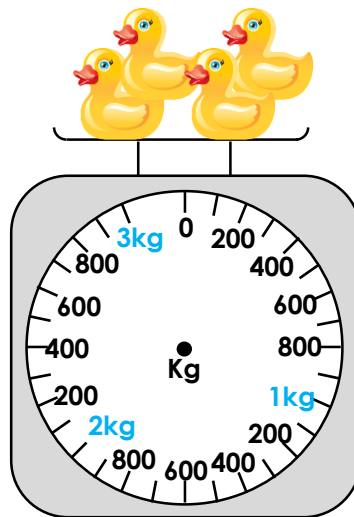
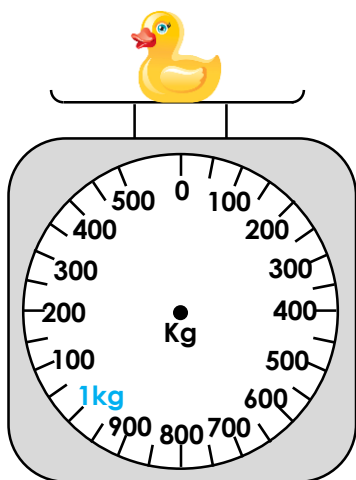
C. 1kg and 450g

D. 2kg and 800g



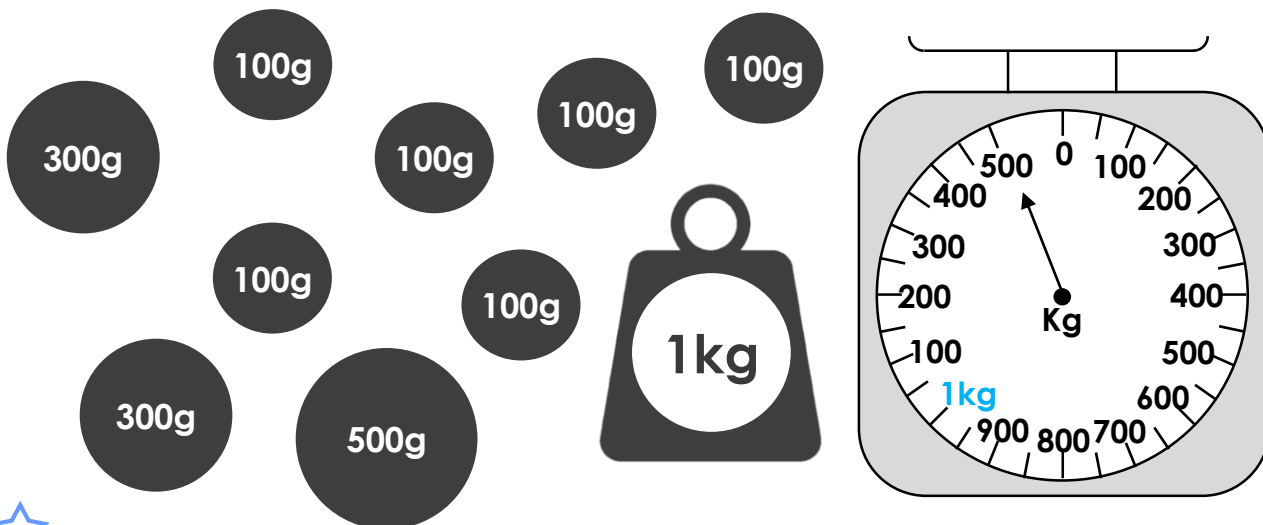
VF
HW/Ext

5. A rubber duck weighs 350g. Draw an arrow on the scales to show each of the missing masses:



VF
HW/Ext

6. Find four combinations of weights that will total the mass shown on the scale.



RPS
HW/Ext

Measure Mass 2

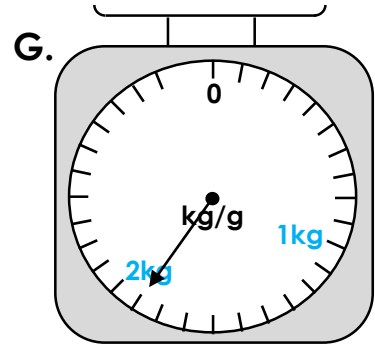
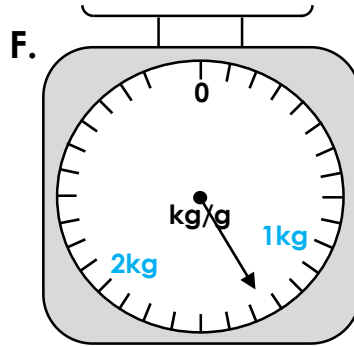
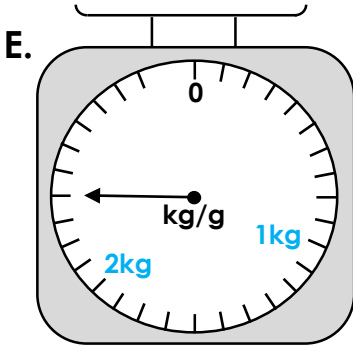
7. Which is the odd one out?

A. 2kg and 400g

B. 1kg and 900g

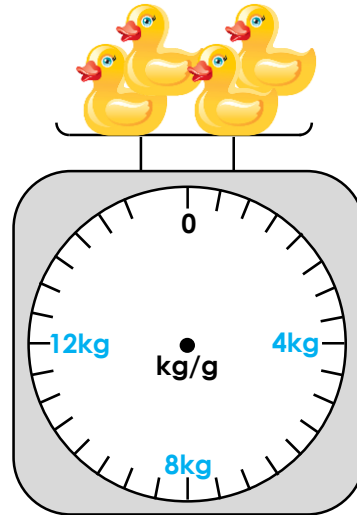
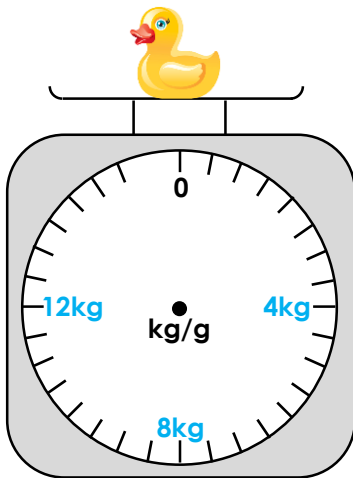
C. 2kg and 150g

D. 1kg and 350g



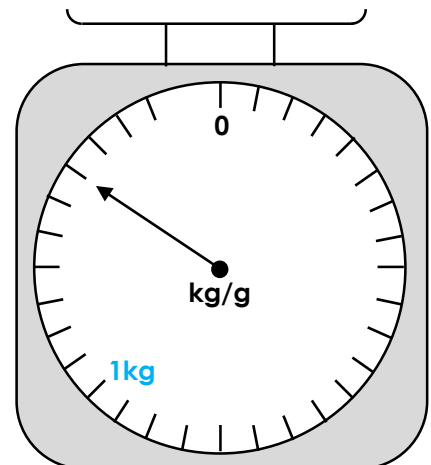
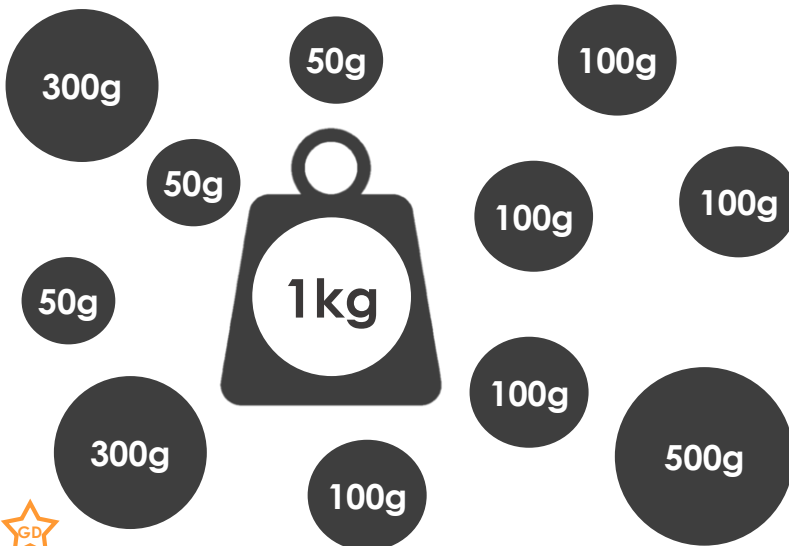
VF
HW/Ext

8. A rubber duck weighs 2kg and 500g. Draw an arrow on the scales to show each of the missing masses:



VF
HW/Ext

9. Find five combinations of weights that will total the mass shown on the scale.



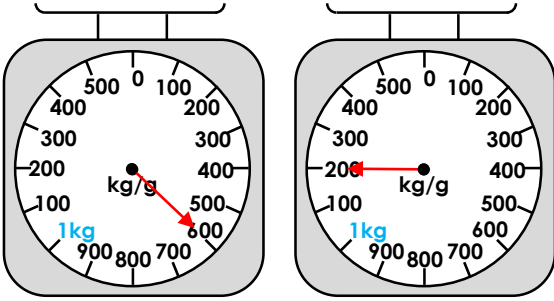
RPS
HW/Ext

Homework/Extension

Measure Mass 2

Developing

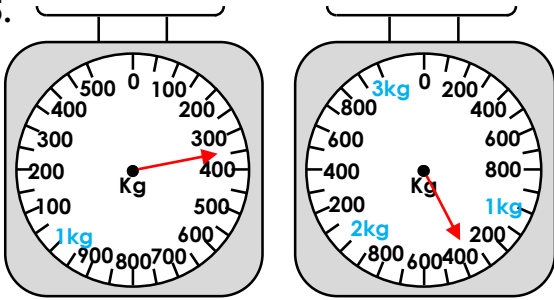
1. **B**
- 2.



3. **1kg + 100g + 100g; 500g + 500g + 100g + 100g; 500g + 300g + 300g + 100g; 500g + 300g + 100g + 100g + 100g**

Expected

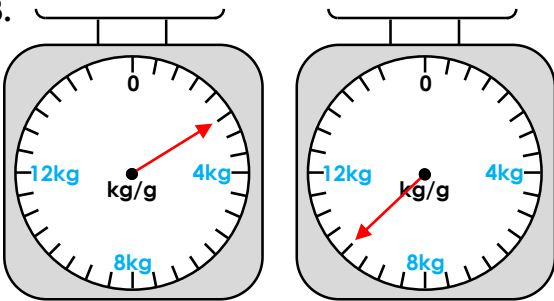
4. **A**
- 5.



6. **1kg + 500g; 1kg + 100g + 100g + 100g + 100g + 100g; 500g + 300g + 300g + 100g + 100g + 100g; 1kg + 300g + 100g + 100g**

Greater Depth

7. **C**
- 8.



9. **1kg + 300g + 50g; 1kg + 100g + 100g + 100g + 50g; 500g + 300g + 300g + 100g + 100g + 50g; 500g + 300g + 100g + 100g + 100g + 100g + 100g + 50g; 500g + 300g + 100g + 100g + 100g + 100g + 50g + 50g + 50g**