Homework/Extension
Step 2: Measure Mass in Grams

National Curriculum Objectives:

Mathematics Year 2: (2M1) Compare and order lengths, mass, volume/capacity and record the results using >, < and =
Mathematics Year 2: (2M2) Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Match objects to the appropriate reading on a weighing scale. Scales in increments of 10 only.
Expected Match objects to the appropriate reading on a weighing scale. Scales in increments of 2, 5 and 10.
Greater Depth Match objects to the appropriate reading on a weighing scale. Scales in increments of 2, 5 and 10. Some measurements fall between increments on the scale.

Questions 2, 5 and 8 (Varied Fluency)
Developing Place the pointer in the correct position on a weighing scale. Scales in increments of 10 only.
Expected Place the pointer in the correct position on a weighing scale. Scales in increments of 2, 5 and 10.
Greater Depth Place the pointer in the correct position on a weighing scale. Scales in increments of 2, 5 and 10. Some measurements fall between increments on the scale.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Find three ways to make a weight which has been doubled using 5g and 10g weights. Scales in increments of 10.
Expected Find three ways to make a weight which has been doubled using 2g, 5g and 10g weights. Scales in increments of 5.
Greater Depth Find three ways to make a weight which has been doubled using 2g, 5g and 10g weights when 10g has already been placed on the scale. Scales in increments of 10, measurement falls between increments on the scale.

More Year 2 Mass resources.

Did you like this resource? Don't forget to review it on our website.

Measure Mass in Grams

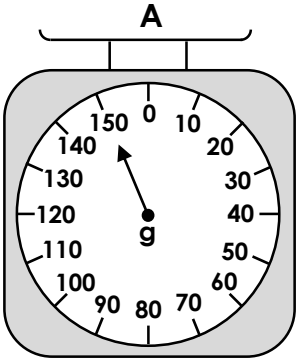
1. Match each item to the correct scale.

140g

40g

150g

A



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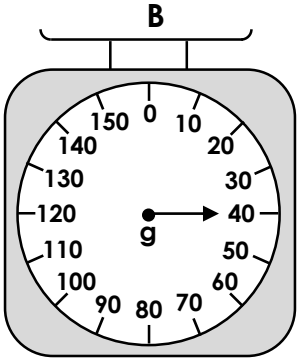

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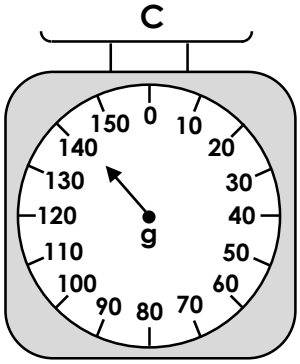
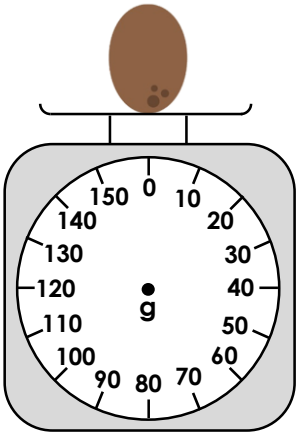


D

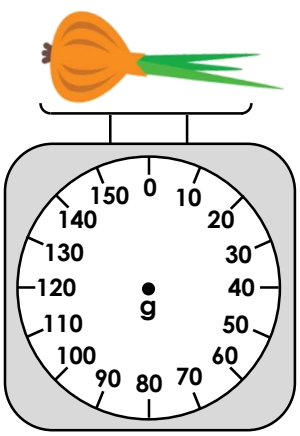
VF
HW/Ext

2. Draw the pointer in the correct position on the weighing scales.

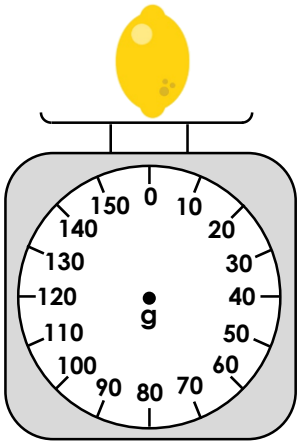
70g



110g



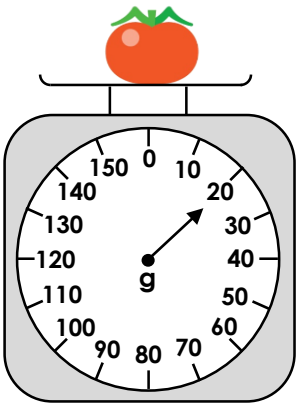
80g



D

VF
HW/Ext

3. The carrot weighs twice as much as the tomato. Alfie has some 5g and 10g weights. Which weights could he use to balance the scales? Find 3 possible answers.



10g

5g

D

RPS
HW/Ext

Measure Mass in Grams

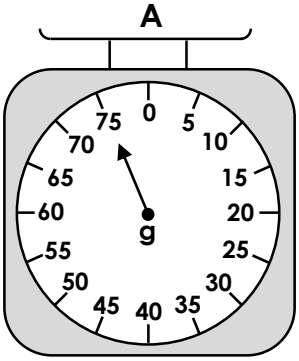
4. Match each item to the correct scale.

6g

150g

75g

A



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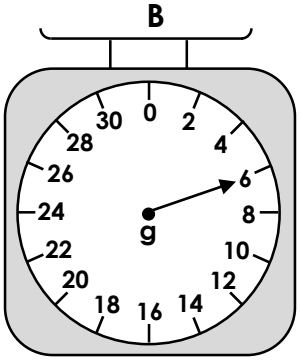

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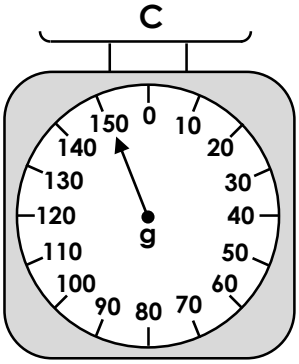
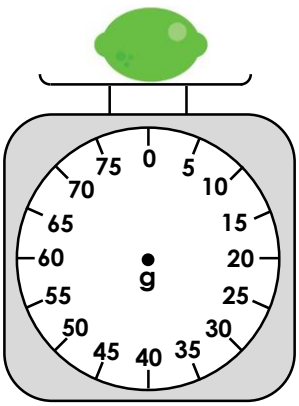


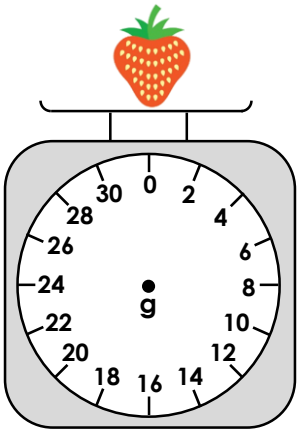
VF
HW/Ext

5. Draw the pointer in the correct position on the weighing scales.

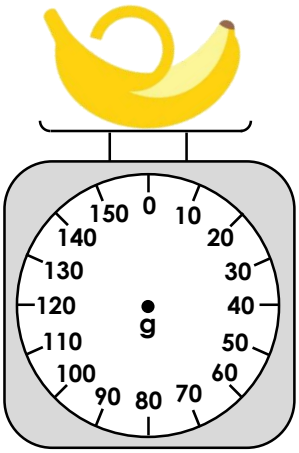
75g



12g

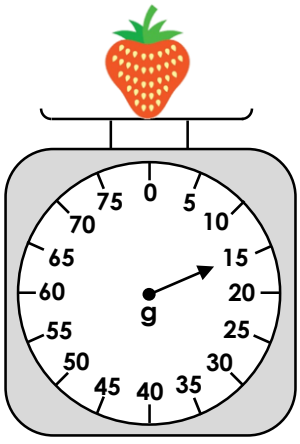


140g



VF
HW/Ext

6. The pear weighs twice as much as the strawberry. Charlie has some 2g, 5g and 10g weights. Which weights could he use to balance the scales? Find 3 possible answers.



RPS
HW/Ext

Measure Mass in Grams

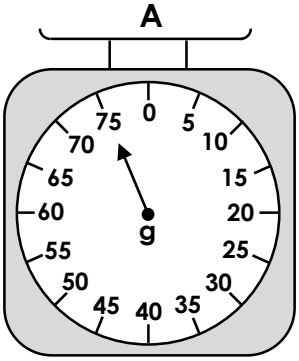
7. Match each item to the correct scale.

65g

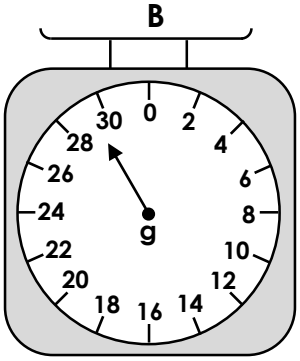
29g

75g

A



B



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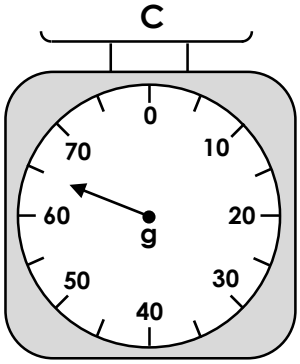
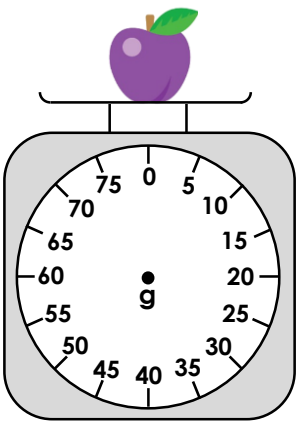


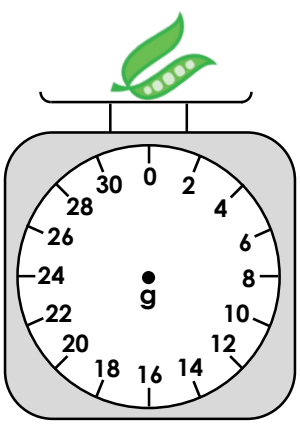
VF
HW/Ext

8. Draw the pointer in the correct position on the weighing scales.

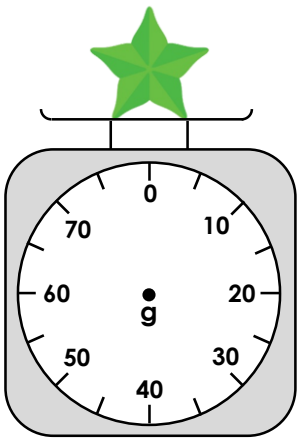
65g



27g

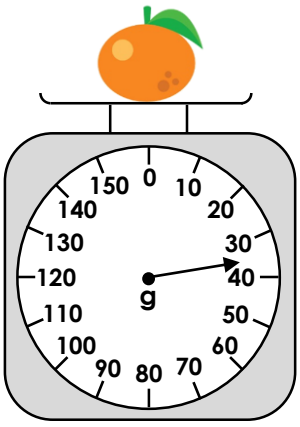


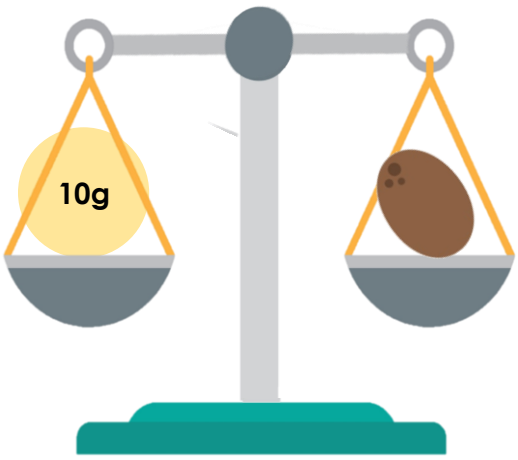
75g



VF
HW/Ext

9. The kiwi weighs twice as much as the satsuma. Lola has some 2g, 5g and 10g weights. Which weights could she use to balance the scales? Find 3 possible answers.





RPS
HW/Ext

Homework/Extension
Measure Mass in Grams

Developing

1. A – pear, B – garlic, C – orange
2. Pointers drawn to 70g, 110g, 80g.
3. Various possible answers that total 40g, for example: 10g + 10g + 10g + 5g + 5g

Expected

4. A – apple, B – raspberry, C – potato
5. Pointers drawn to 75g, 12g, and 140g.
6. Various possible answers that total 30g, for example: 10g + 5g + 5g + 5g + 5g

Greater Depth

7. A – pepper, B – cherries, C – chilli
8. Pointers drawn to 65g, 27g (between 26g and 28g), 75g (between 70g and 0g)
9. Various possible answers that total to 60g, for example:
   10g + 10g + 10g + 10g + 10g + 5g + 5g