

Homework/Extension

Step 1: Measure Mass 1

National Curriculum Objectives:

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

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Read scales in increments of 2 and 10 to identify the numbers represented by the letters. All increments are labelled.

Expected Read scales in increments of 8 and 50 to identify the numbers represented by the letters. Some scales may have every other increment labelled.

Greater Depth Read scales in increments of 8 and 50 to identify the numbers represented by the letters. Some scales may have no increments labelled.

Questions 2, 5 and 8 (Varied Fluency)

Developing Identify the correct mass displayed on the scales. Scales are in increments of 1, 2 and 5 and all increments are labelled.

Expected Identify the correct mass displayed on the scales. Scales are in increments of 4, 50 and 100 and have every other increment labelled.

Greater Depth Identify the correct mass displayed on the scales. Scales are in increments of 4, 8 and 50 and have only 1 or 2 increments labelled.

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

Developing Explain why the answer given is correct. The scale is in increments of 2 and all increments are labelled but the arrow is between increments .

Expected Check if the answer given is correct and explain their reasoning. The scale is in increments of 4 and every other increment is labelled.

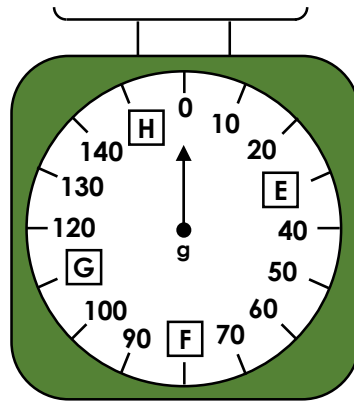
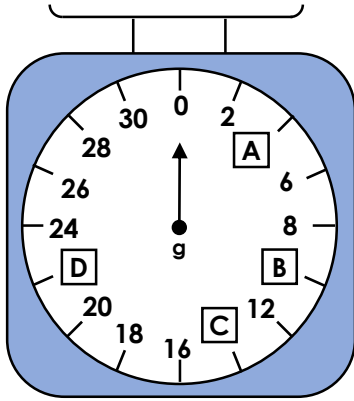
Greater Depth Check if the answer given is correct and explain their reasoning. The scale has 1 increment labelled.

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

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

Measure Mass 1

1. Write the numbers that are missing from the scales.

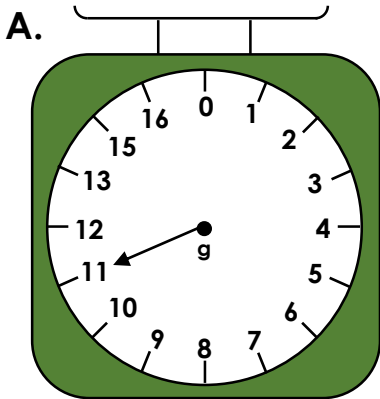


A	
B	
C	
D	
E	
F	
G	
H	

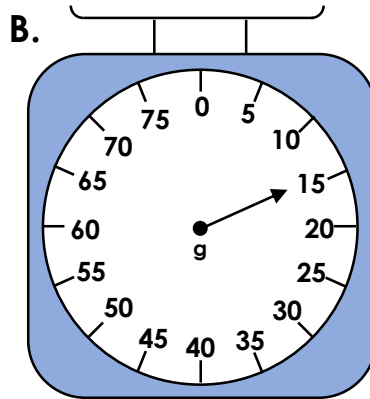


VF
HW/Ext

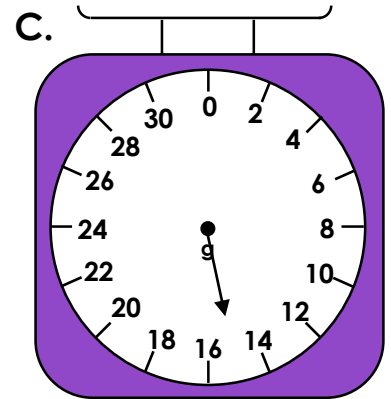
2. Circle the correct measurement for each set of scales.



10g	11g	12g
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20g	10g	15g
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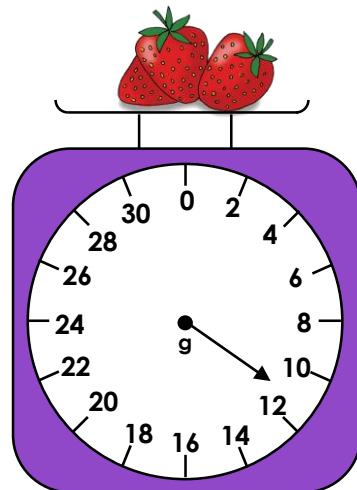


14g	16g	15g
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VF
HW/Ext

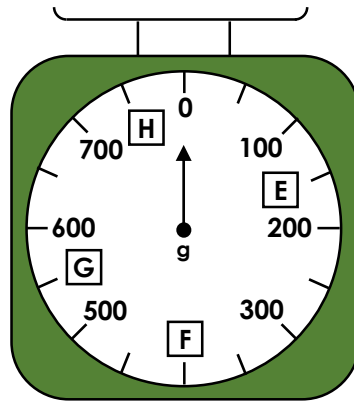
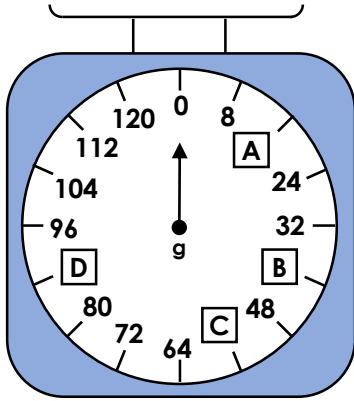
3. Ben says that the strawberries weigh 11g. Is he correct? Explain your answer.



RPS
HW/Ext

Measure Mass 1

4. Write the numbers that are missing from the scales.

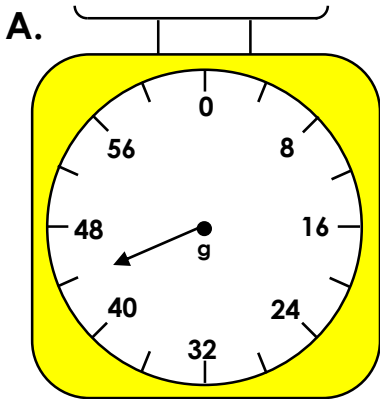


A	
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H	

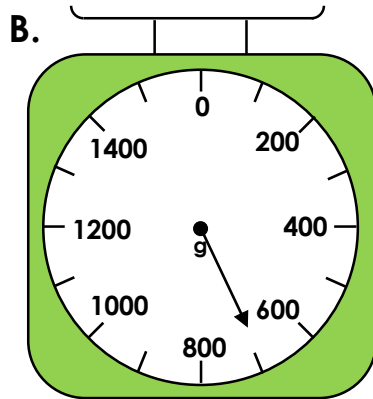


VF
HW/Ext

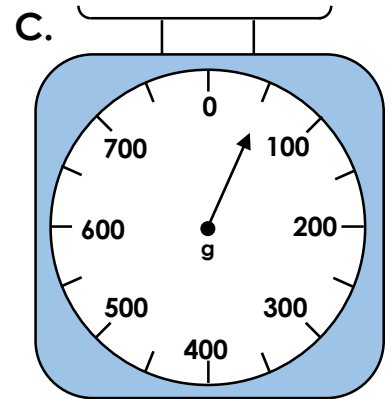
5. Circle the correct measurement for each set of scales.



42g	44g	45g
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650g	750g	700g
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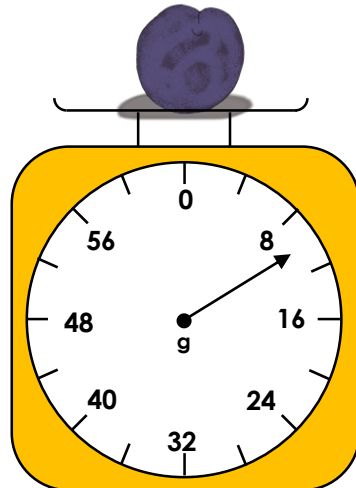


50g	10g	25g
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VF
HW/Ext

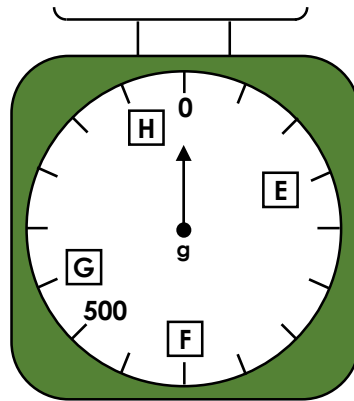
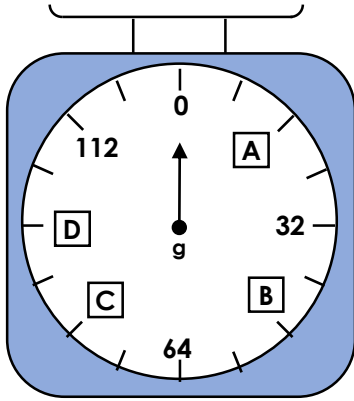
6. Tim says that the plum weighs 12g. Is he correct? Explain your answer.



RPS
HW/Ext

Measure Mass 1

7. Write the numbers that are missing from the scales.

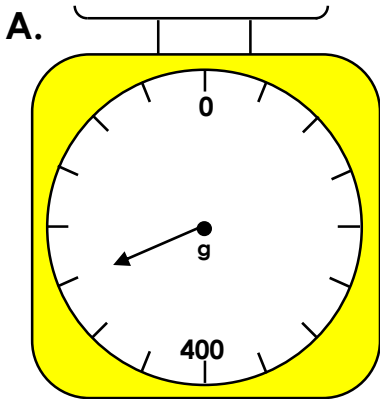


A	
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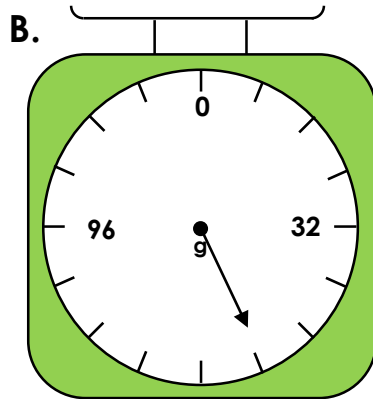


VF
HW/Ext

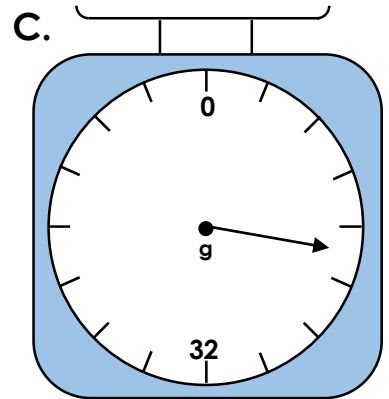
8. Circle the correct measurement for each set of scales.



500g	450g	550g
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50g	56g	60g
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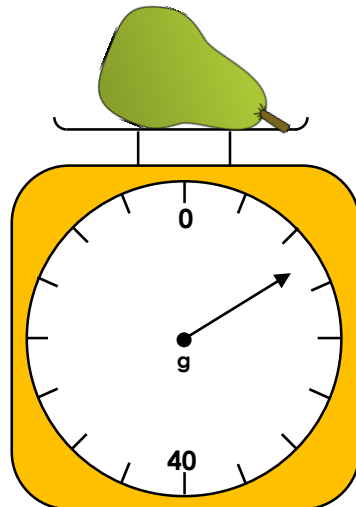
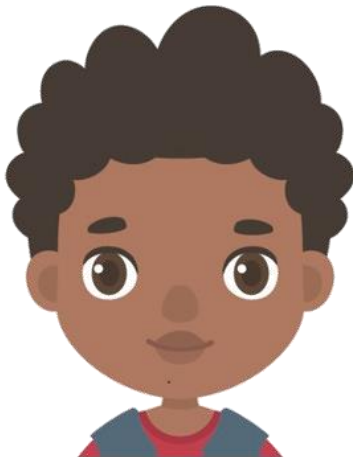


20g	15g	18g
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VF
HW/Ext

9. Joshua says that the pear weighs 13g. Is he correct? Explain your answer.



RPS
HW/Ext

Homework/Extension

Measure Mass 1

Developing

1. A.4g; B.10g; C.14g; D.22g; E.30g; F.80g; G.110g; H.150g
2. A.11g; B.15g; C.15g;
3. Ben is correct because the arrow is pointing halfway between 10g and 12g

Expected

4. A.16g; B.40g; C.56g; D.88g; E.150g; F.400g; G.550g; H.750g
5. A.44g; B.700g; C.50g
6. Tim is not correct. The measure should be 10g. He has increased the measure by 4 but the arrow is pointing halfway between 8g and 12g.

Greater Depth

7. A.16g; B.48g; C.80g; D.96g; E.150g; F.400g; G.550g; H.750g
8. A.550g; B.56g; C.18g
9. Joshua is correct because the scale goes up in increments of 5g. The arrow is pointing to just over halfway between 10 and 15g.