

Homework/Extension

Step 3: Compare Mass

National Curriculum Objectives:

Mathematics Year 3: (3M1b) [Compare mass \(kg/g\)](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Comparing the mass of 3 objects. Using the same unit of measure, g or kg, in multiples of 1 and 10. Using heavier than, lighter than or the same as to compare, word bank provided.

Expected Comparing the mass of 3 objects. Using some mixed units of measure, kg and g, in multiples of 1 and 5. Using heavier than, lighter than or the same as to compare, word bank provided.

Greater Depth Comparing the 3 of two objects. Using all mixed units of measure, kg and g, in multiples of 1 and 5, with some presented as fractions. Using the inequality symbols $<$, $>$ and $=$ to compare mass.

Questions 2, 5 and 8 (Varied Fluency)

Developing Choose the correct scale comparing the mass of 2 objects. Using the same unit of measure, g or kg, in multiples of 1 and 10.

Expected Choose the correct scale comparing the mass of 2 objects. Using some mixed units of measure, kg and g, in multiples of 1 and 5.

Greater Depth Choose the correct scale comparing the mass of 2 objects. Using all mixed units of measure, kg and g, in multiples of 1 and 5, with some presented as fractions.

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

Developing Compare the mass of combined objects and explain which is heavier or lighter. Using the same unit of measure, g or kg, in multiples of 1 and 10.

Expected Compare the mass of combined objects and explain which is heavier or lighter. Using some mixed units of measure, kg and g, in multiples of 1 and 5.

Greater Depth Compare the mass of combined objects and explain which is heavier or lighter. Using all mixed units of measure, kg and g, in multiples of 1 and 5, with some presented as fractions.

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

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

Compare Mass

1. Complete the following sentence using words from the word bank below.

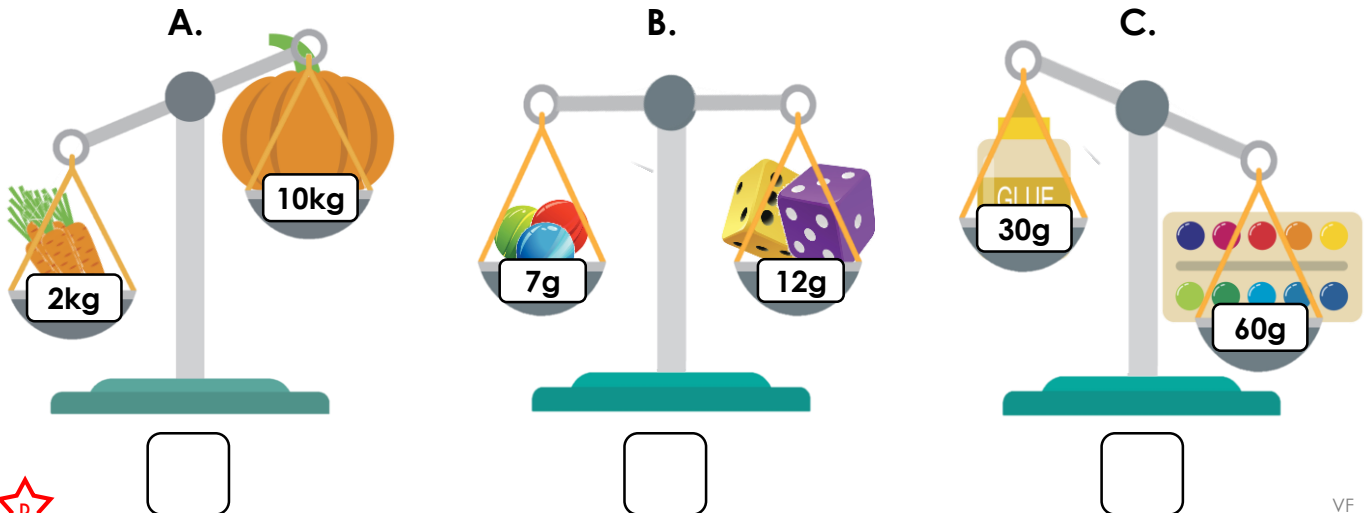
A pair of scissors is _____ a football but _____ a rubber.



heavier than the same as lighter than

VF
HW/Ext

2. Tick the scale which is correctly positioned.

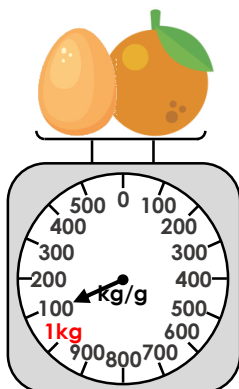


VF
HW/Ext

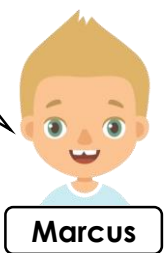
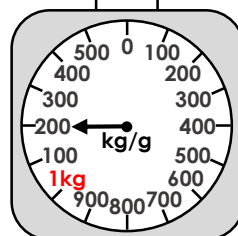
3. Who is correct? Explain your answer.



I think the egg weighs more than the bananas.



I think the bananas weigh more than the egg.

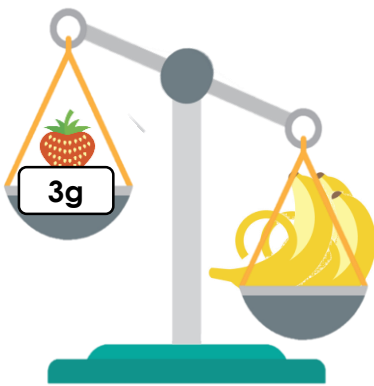


RPS
HW/Ext

Compare Mass

4. Complete the following sentence using words from the word bank below.

The bananas are _____ the carrot but _____ pineapple.



heavier than

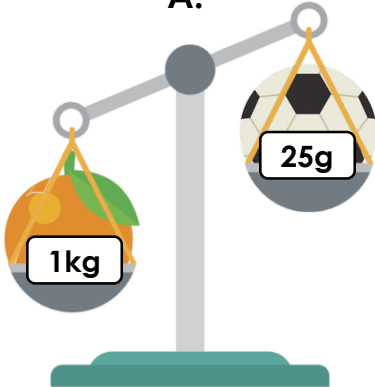
the same as

lighter than

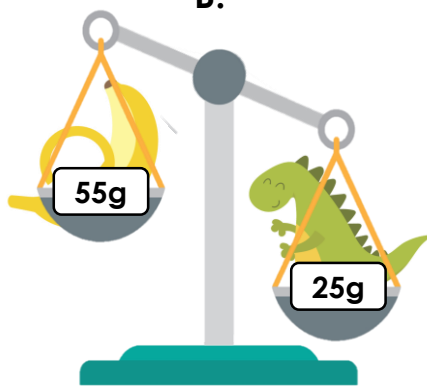
VF
HW/Ext

5. Tick the scale which is correctly positioned.

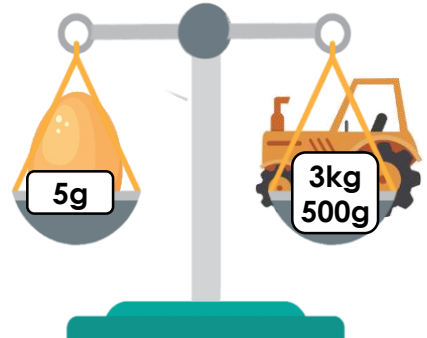
A.


☐

B.


☐

C.


☐

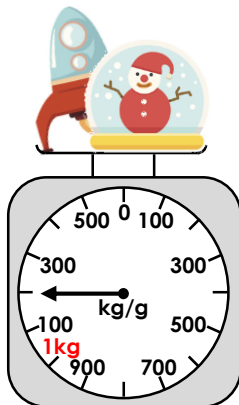
VF
HW/Ext

6. Who is correct? Explain your answer.



Samantha

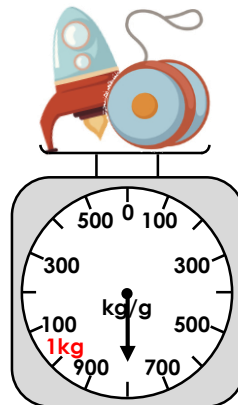
I think the yoyo weighs more than the snow globe.



I think the snow globe weighs more than the yoyo.



Jamie



RPS
HW/Ext

Compare Mass

7. Complete the following sentence using $<$, $>$ or $=$.

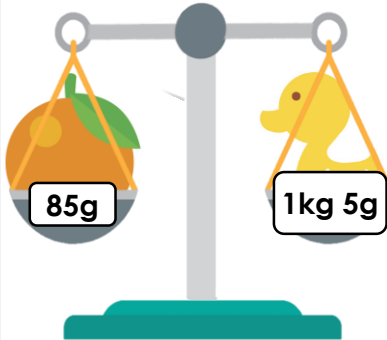
The mass of the dinosaur is _____ the bananas but _____ tractor.



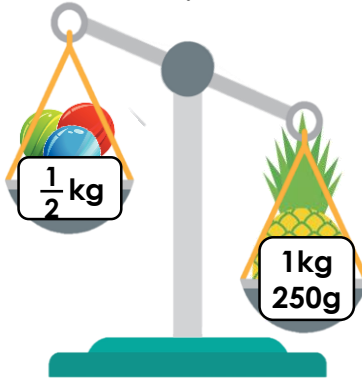
VF
HW/Ext

8. Tick the scale which is correctly positioned.

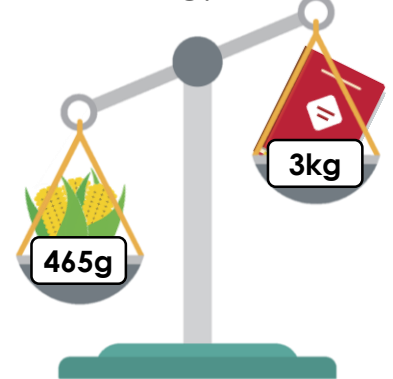
A.


☐

B.


☐

C.


☐

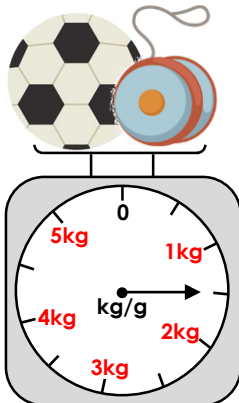

VF
HW/Ext

9. Who is correct? Explain your answer.



Carrie

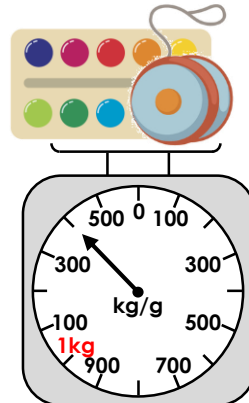
I think the football weighs more than the paints.



I think the paints weigh more than the football.



Bobby



RPS
HW/Ext

Homework/Extension

Compare Mass

Developing

1. **A** pair of scissors is lighter than a football but heavier than a rubber.
2. **C**
3. **Marcus is correct** because the mass of the orange and the bananas together is heavier than the mass of the orange and the egg together.

Expected

4. **The bananas are heavier** than the carrot but lighter than the pineapple.
5. **A**
6. **Jamie is correct** because the mass of the rocket and snow globe together is heavier than the mass of the rocket and yoyo together.

Greater Depth

7. **The mass of the dinosaur < bananas but > tractor.**
8. **B**
9. **Carrie is correct** because the mass of the yoyo and football together is heavier than the mass of the yoyo and paints together.