

Varied Fluency

Step 3: Compare Mass

National Curriculum Objectives:

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

Differentiation:

Developing Questions to support comparing the mass of two objects. Using the same unit of measure g or kg in multiples of 1 and 10. Using heavier or lighter to compare.

Expected Questions to support comparing mass of two objects. Using some mixed units of measure, kg and g, in multiples of 1 and 5. Using heavier and lighter and the inequality symbols $<$, $>$ to compare.

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

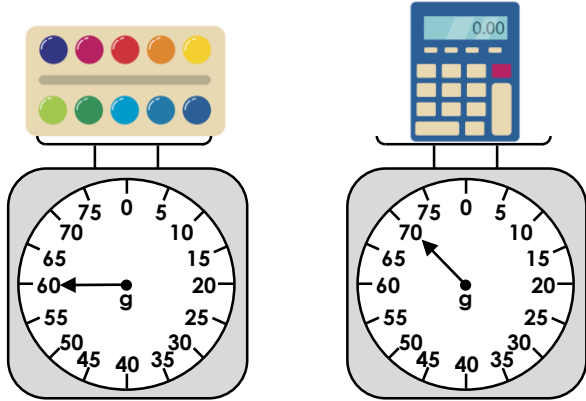
More [Year 3 and Year 4 Mass and Capacity](#) resources.

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

Compare Mass

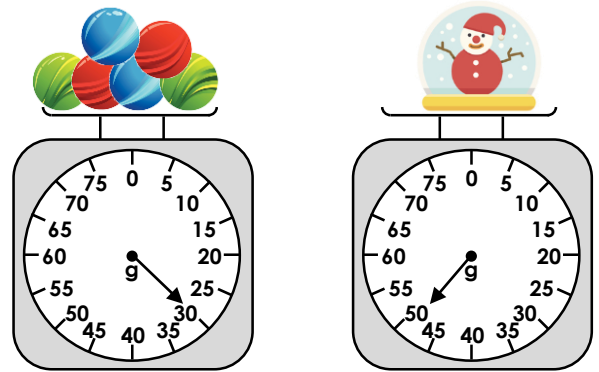
Compare Mass

1a. True or false? The calculator is heavier than the paints.



3 VF

1b. True or false? The marbles are lighter than the snow globe.



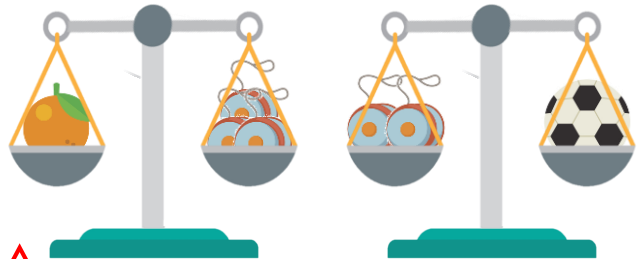
3 VF

2a. Which object is the heaviest if one strawberry weighs 10g?



3 VF

2b. Which object is the heaviest if one yoyo weighs 20g?



3 VF

3a. Use < or > to compare the weights.

30g 50g



3 VF

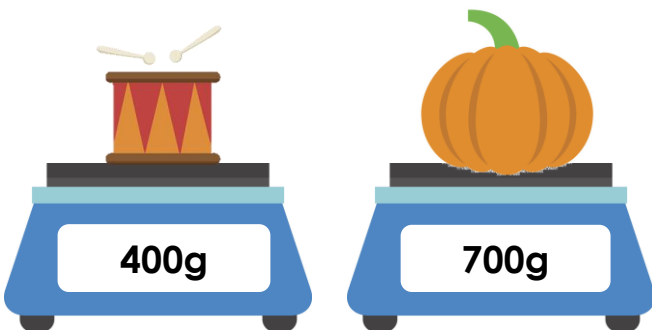
3b. Use < or > to compare the weights.

12g 21g



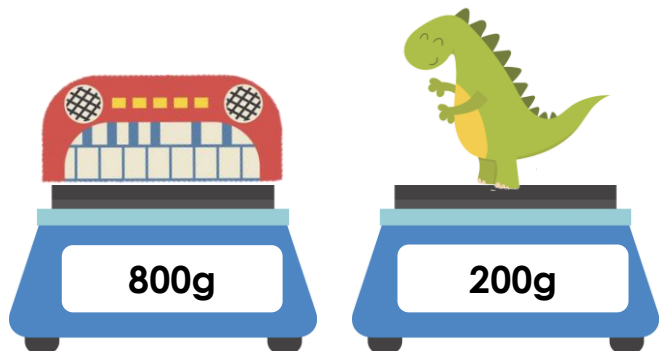
3 VF

4a. Which is lighter?



3 VF

4b. Which is heavier?

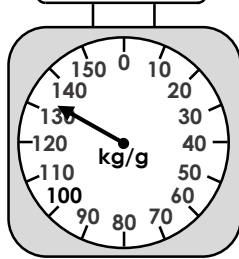
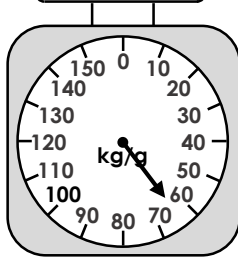
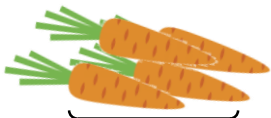


3 VF

Compare Mass

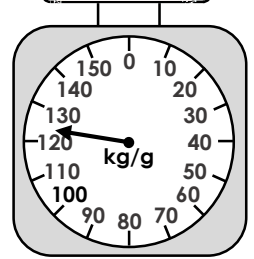
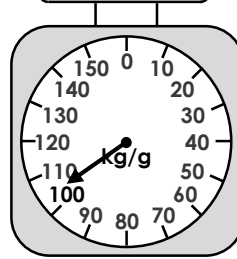
Compare Mass

5a. True or false? The carrots are heavier than the keyboard.



3 VF

5b. True or false? The drum is lighter than the pineapple.



3 VF

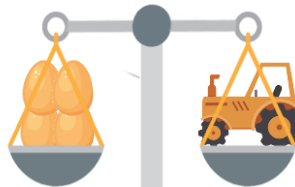
6a. Which object is the heaviest if one orange weighs 65g?



3 VF



6b. Which object is the lightest if one egg weighs 55g?



3 VF



7a. Use < or > to compare the weights.

555g 5kg



3 VF

7b. Use < or > to compare the weights.

2kg 225g



3 VF

8a. Which is lighter?



25g



1kg



3 VF

8b. Which is heavier?



75g



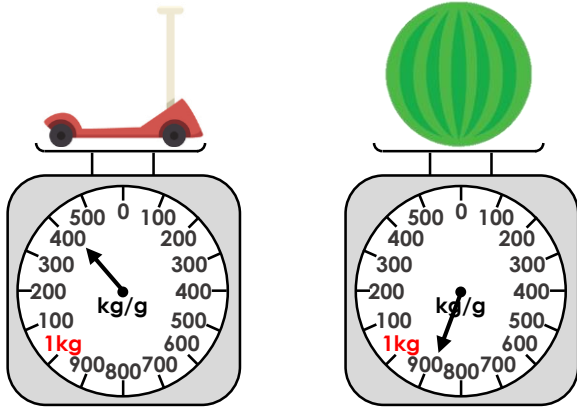
500g



3 VF

Compare Mass

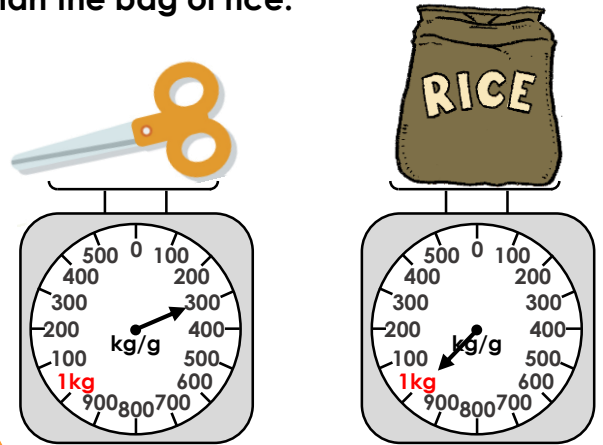
9a. True or false? The scooter is heavier than the watermelon.



3 VF

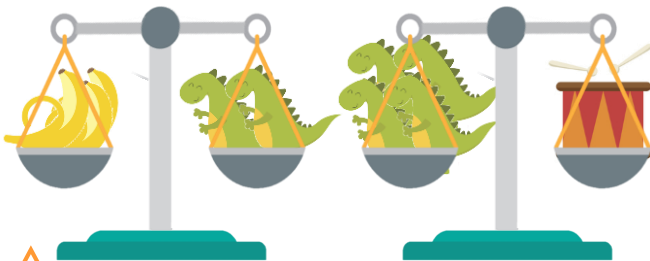
Compare Mass

9b. True or false? The scissors are lighter than the bag of rice.



3 VF

10a. Which object is the heaviest if one dinosaur weighs 1kg?



3 VF

10b. Which object is the lightest if one duck weighs 500g?



3 VF

11a. Use < or > to compare the weights.

3kg 500g 10kg



3 VF

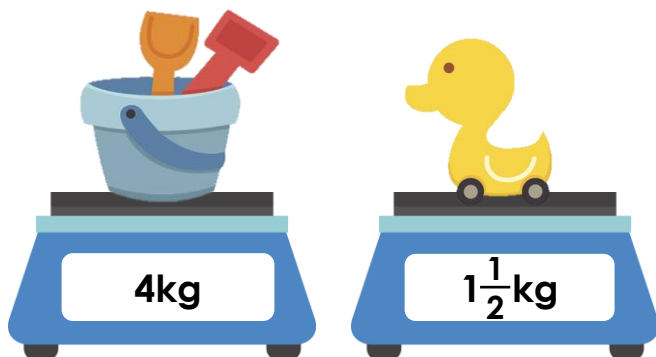
11b. Use < or > to compare the weights.

30kg $45\frac{1}{2}$ kg



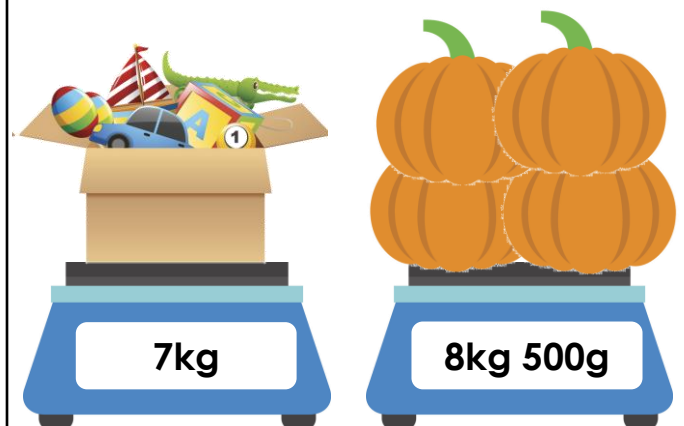
3 VF

12a. Which is lighter?



3 VF

12b. Which is heavier?



3 VF

Varied Fluency
Compare Mass

Developing

- 1a. **True**
- 2a. **Egg**
- 3a. **<**
- 4a. **Drum**

Expected

- 5a. **False**
- 6a. **Dinosaur**
- 7a. **<**
- 8a. **Strawberries**

Greater Depth

- 9a. **True**
- 10a. **Drum**
- 11a. **<**
- 12a. **Duck**

Varied Fluency
Compare Mass

Developing

- 1b. **True**
- 2b. **Orange**
- 3b. **<**
- 4b. **Keyboard**

Expected

- 5b. **False**
- 6b. **Banana**
- 7b. **>**
- 8b. **Tractor**

Greater Depth

- 9b. **True**
- 10b. **Watermelon**
- 11b. **<**
- 12b. **Pumpkins**