

# Varied Fluency

## Step 1: Measure Mass 1

### National Curriculum Objectives:

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

### Differentiation:

**Developing** Questions to support measuring mass. Increments of 1, 2, 5 or 10 used. All increments labelled.

**Expected** Questions to support measuring mass. Increments of 4, 8, 50 or 100 used. Some scales have every other increment labelled.

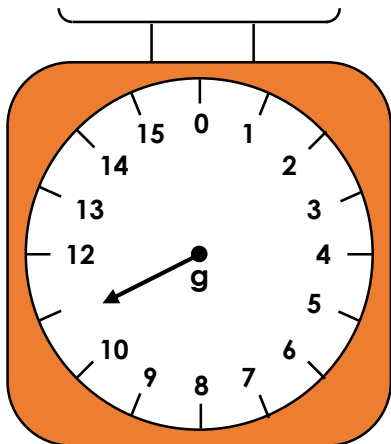
**Greater Depth** Questions to support measuring mass. Increments of 4, 8, 50 or 100 used, but (most/no) increments are (not) labelled on the scales.

More [Year 2 and Year 3 Mass, Capacity and Temperature resources](#).

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

## Measure Mass 1

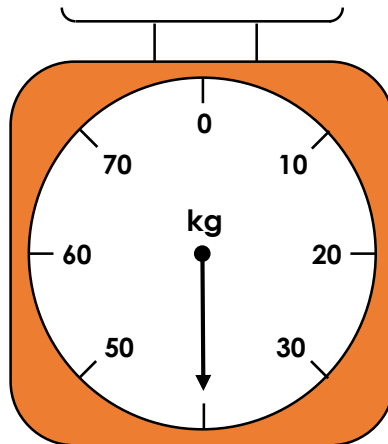
1a. What mass is the arrow showing on this scale?



3 VF

## Measure Mass 1

1b. What mass is the arrow showing on this scale?



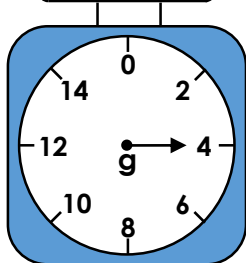
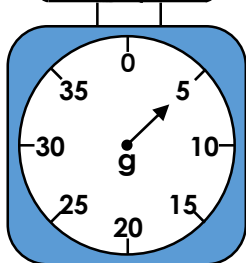
3 VF

2a. Which object is the heaviest?

A



B



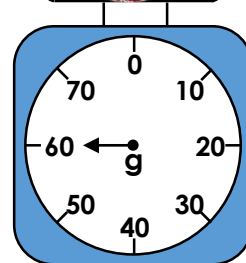
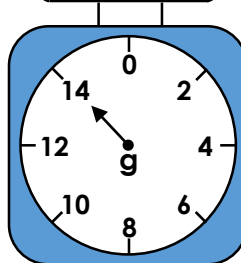
3 VF

2b. Which object is the lightest?

A



B



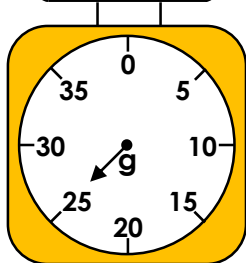
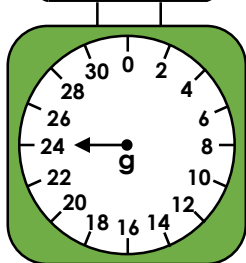
3 VF

3a. How much does each object weigh?

A



B



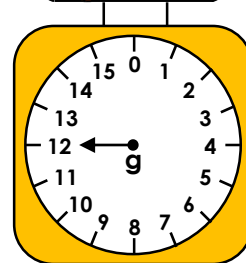
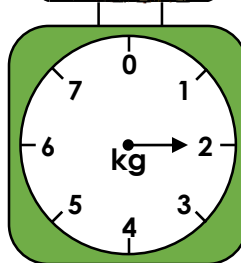
3 VF

3b. How much does each object weigh?

A



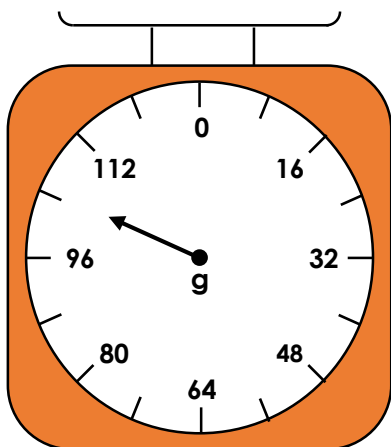
B



3 VF

## Measure Mass 1

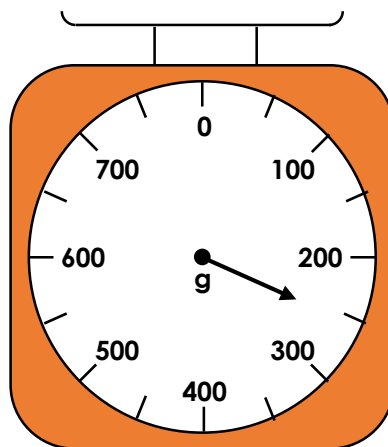
4a. What mass is the arrow showing on this scale?



3 VF

## Measure Mass 1

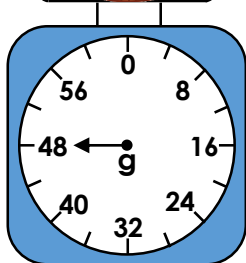
4b. What mass is the arrow showing on this scale?



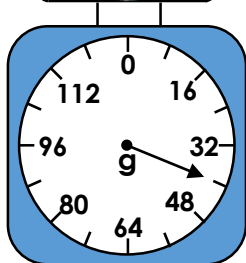
3 VF

5a. Which object is the heaviest?

A



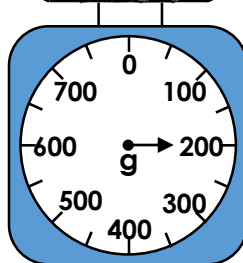
B



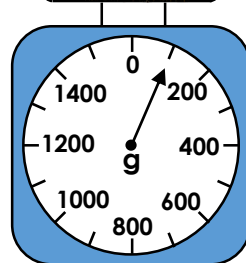
3 VF

5b. Which object is the lightest?

A



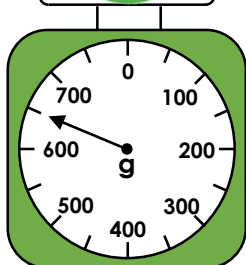
B



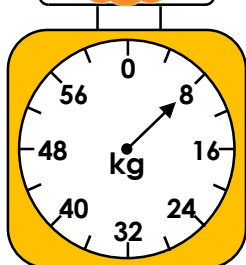
3 VF

6a. How much does each object weigh?

A



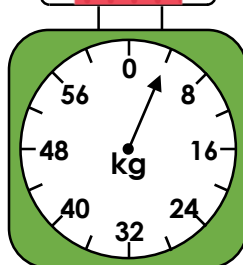
B



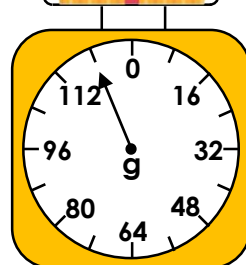
3 VF

6b. How much does each object weigh?

A



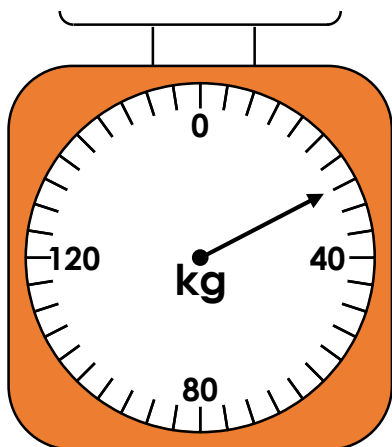
B



3 VF

## Measure Mass 1

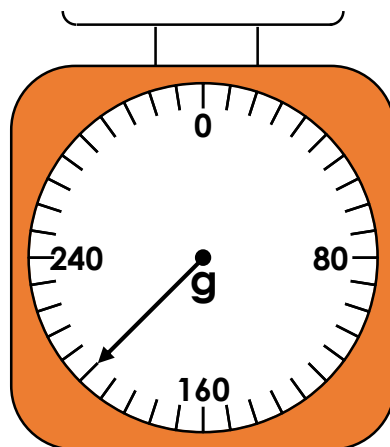
7a. What mass is the arrow showing on this scale?



3 VF

## Measure Mass 1

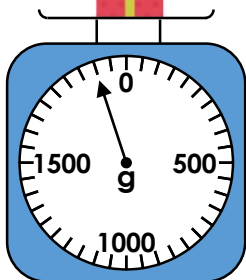
7b. What mass is the arrow showing on this scale?



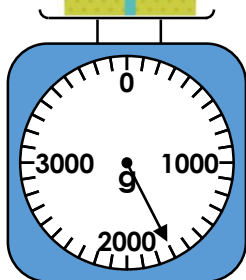
3 VF

8a. Which object is the heaviest?

A



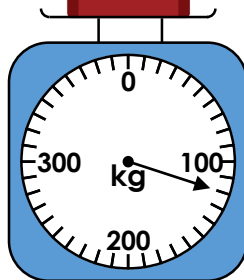
B



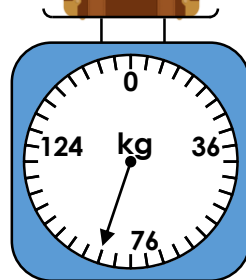
3 VF

8b. Which object is the lightest?

A



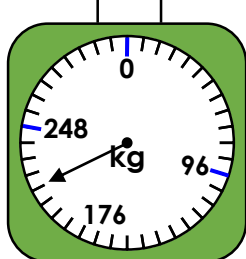
B



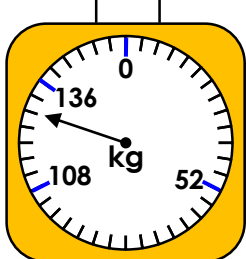
3 VF

9a. How much does each object weigh?

A



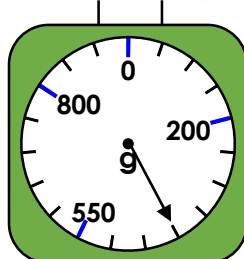
B



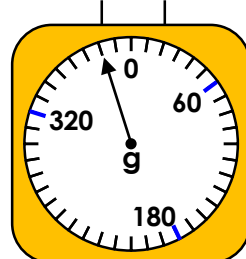
3 VF

9b. How much does each object weigh?

A



B



3 VF

**Varied Fluency**  
**Measure Mass 1**

**Developing**

- 1a. 11g  
2a. A  
3a. A = 24g, B = 25g

**Expected**

- 4a. 104g  
5a. A  
6a. A = 650g, B = 8kg

**Greater Depth**

- 7a. 28kg  
8a. A  
9a. A = 216kg, B = 128kg

**Varied Fluency**  
**Measure Mass 1**

**Developing**

- 1b. 40kg  
2b. A  
3b. A = 2kg, B = 12g

**Expected**

- 4b. 250g  
5b. B  
6b. A = 4kg, B = 120g

**Greater Depth**

- 7b. 200g  
8b. B  
9b. A = 400g, B = 380g