

# Varied Fluency

## Step 2: Measure Mass

### National Curriculum Objectives:

Mathematics Year 1: (1M1) [Compare, describe and solve practical problems for: lengths and heights \[for example, long/short, longer/shorter, tall/short, double/half\] mass/weight \[for example, heavy/light, heavier than, lighter than\] capacity and volume \[for example, full/empty, more than, less than, half, half full, quarter\] Time \[for example, quicker, slower, earlier, later\]](#)

Mathematics Year 1: (1M2) [Measure and begin to record: lengths and heights mass/weight capacity and volume time \(hours, minutes, seconds\)](#)

### Differentiation:

**Developing** Questions to support measuring mass using one type of non-standard unit.

**Expected** Questions to support measuring mass using a variety of non-standard units. Using comparative language; more than, less than.

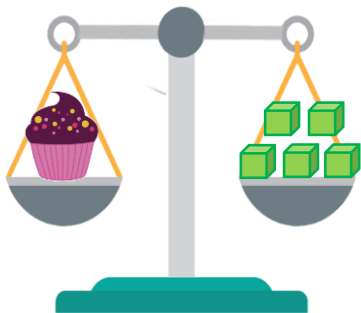
**Greater Depth** Questions to support measuring mass using a variety of non-standard units. Using comparative language; more than, less than. The mass of an object is sometimes doubled or halved to find an answer.

More [Year 1 Weight and Volume](#) resources.

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

## Measure Mass

1a. Circle the mass of the cake.



5 cubes

4 cubes

6 cubes



VF

## Measure Mass

1b. Circle the mass of the yoyo.



5 cubes

4 cubes

3 cubes



VF

2a. True or false? The drink weighs 4 cubes.



VF

2b. True or false? The fish weighs 1 cube.



VF

3a. Which object weighs the same as the bird?



cake



6 cubes

ball



5 cubes



VF

3b. Which object weighs the same as the box?



book



5 cubes

apple



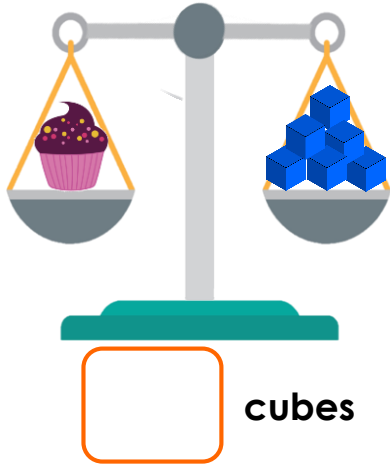
4 cubes



VF

## Measure Mass

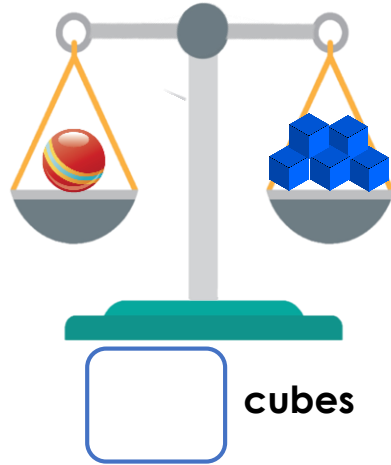
4a. What is the mass of the cake?



VF

## Measure Mass

4b. What is the mass of the ball?



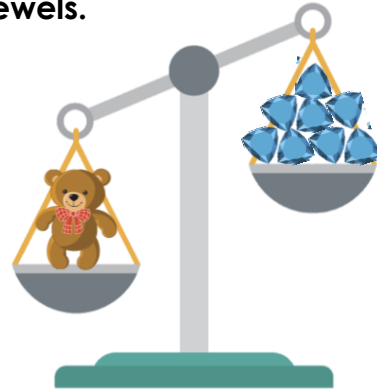
VF

5a. True or false? The book weighs less than 10 acorns.



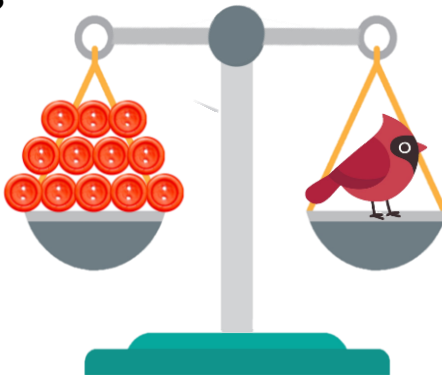
VF

5b. True or false? The teddy weighs more than 8 jewels.



VF

6a. Which object weighs more than the bird?



carrot



10 buttons

full water bottle



20 buttons

pencil sharpener

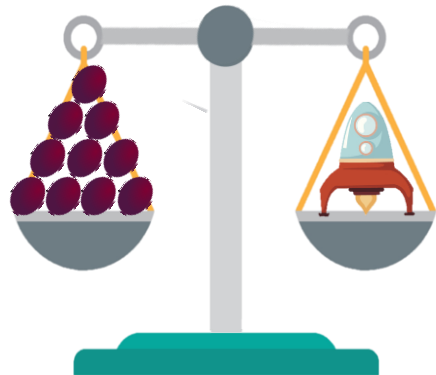


8 buttons



VF

6b. Which object weighs less than the toy?



melon



18 grapes

crayons



12 grapes

shell



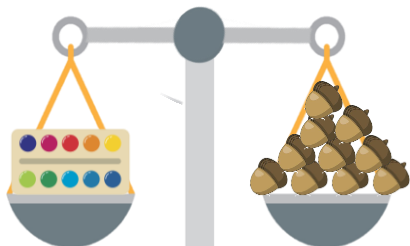
2 grapes



VF

## Measure Mass

7a. What is the mass of two sets of paints?



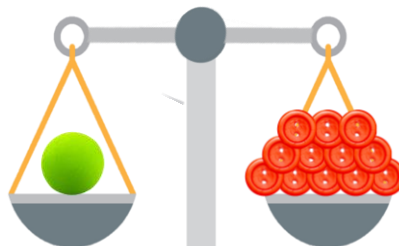
acorns



VF

## Measure Mass

7b. What is the mass of two balls?



buttons



VF

8a. True or false? One cupcake weighs less than one set of crayons.



VF

8b. True or false? One bird weighs less than one windmill.



VF

9a. Which object weighs more than two bottles?



toy



18 jewels

pair of shoes



20 jewels

banana

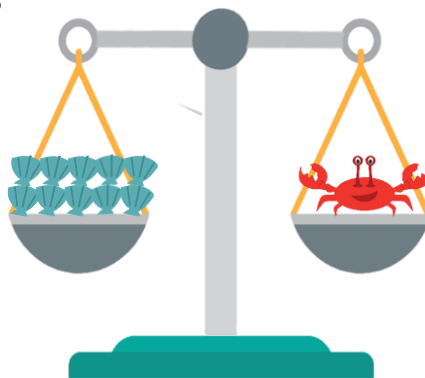


9 jewels



VF

9b. Which object weighs more than two crabs?



2 cupcakes



14 shells

toy



16 shells

pineapple



24 shells



VF

## Varied Fluency Measure Mass

### Developing

- 1a. 5
- 2a. False, the juice weighs more than 4 cubes.
- 3a. cake

### Expected

- 4a. 6
- 5a. False, the book weighs more than 10 acorns.
- 6a. the full water bottle

### Greater Depth

- 7a. 20
- 8a. False, one cupcake would weigh more than one set of crayons.
- 9a. the pair of shoes

## Varied Fluency Measure Mass

### Developing

- 1b. 3
- 2b. False, the fish weighs more than 1 cube.
- 3b. book

### Expected

- 4b. 5
- 5b. True
- 6b. the shell

### Greater Depth

- 7b. 24
- 8b. False, one bird would weigh more than one windmill.
- 9b. pineapple