

# Chapter 30: Weight

Many items come in 1 kilogramme (kg) packages.



frozen chips



rice



bananas



sugar



cheese



Play-Doh

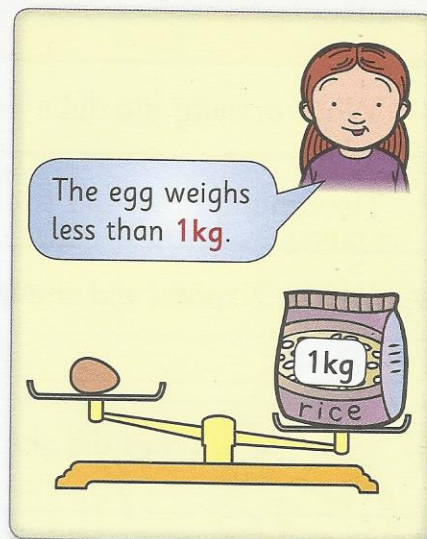


gold

1. Estimate if the following objects weigh **>1kg** **About 1kg** **<1kg**

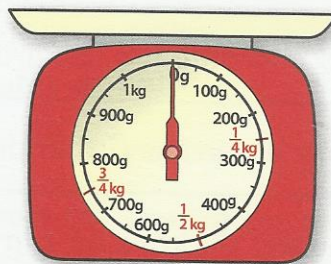
Use a **1kg** weight (e.g. bag of rice) and a balance to check.

	Object	>1kg	About 1kg	<1kg	Measure
(a)	Egg	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<1kg
(b)	Pencil case	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
(c)	School bag	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
(d)	5 maths books	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
(e)	Stapler	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
(f)	20 lollipop sticks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
(g)	Bowl of water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



2. Read the weighing scales to answer these questions.

When objects weigh less than **1kg**, we measure them in **grammes (g)**.  
1kg = 1000g.



- (a) 1kg = \_\_\_\_\_ g    (b)  $\frac{1}{2}$ kg = \_\_\_\_\_ g    (c)  $\frac{1}{4}$ kg = \_\_\_\_\_ g  
 (d)  $\frac{3}{4}$ kg = \_\_\_\_\_ g    (e) 100g more than  $\frac{1}{2}$ kg = \_\_\_\_\_ g    (f) 100g less than 1kg = \_\_\_\_\_ g  
 (g) 2kg = \_\_\_\_\_ g    (h) 50g more than  $\frac{1}{4}$ kg = \_\_\_\_\_ g    (i) 5kg = \_\_\_\_\_ g

## Challenge



You will need a digital scales to do this challenge!  
Find an object that weighs about:

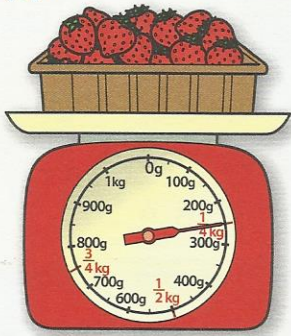
- (a) 1g: \_\_\_\_\_ (b) 10g: \_\_\_\_\_



# Kilogrammes (kg) and grammes (g)

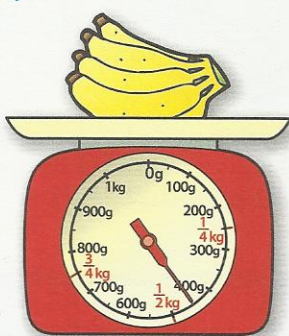
1. Read these scales. What does each item weigh?

(a)



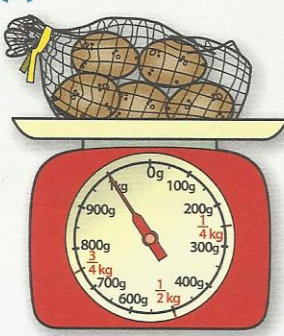
\_\_\_\_\_g

(b)



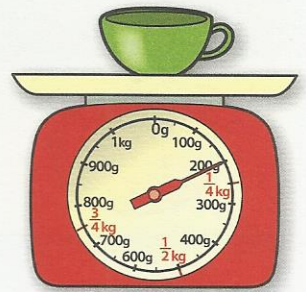
\_\_\_\_\_g

(c)



\_\_\_\_\_g

(d)



\_\_\_\_\_g

(e) Which item is heaviest? \_\_\_\_\_

(f) Which item is lightest? \_\_\_\_\_

(g) What is the total weight of the strawberries and bananas? \_\_\_\_\_g

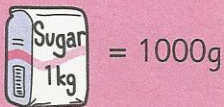
(h) How much heavier are the bananas than the cup? \_\_\_\_\_g or  kg

(i) How much lighter is the cup than the potatoes? \_\_\_\_\_g

2. Weigh these items on a scales. Estimate first!



Use this information to help you estimate...



= 1000g



= 2g

	Object	Estimate	Measure
(a)	Mug		
(b)	Apple		
(c)	Pencil case		
(d)	Maths book		
(e)	Shoe		
(f)	Stapler		

3. Which is best for weighing the following – kilogrammes (kg) or grammes (g)?

(a)



\_\_\_\_\_

(b)



\_\_\_\_\_

(c)



\_\_\_\_\_

(d)



\_\_\_\_\_

(e)



\_\_\_\_\_