## **MASS**

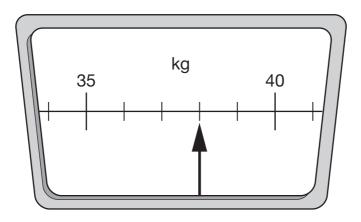
CONTENT DOMAIN REFERENCES: M1, M2, M5, M9

# KS2 SATS PRACTICE QUESTIONS BY TOPIC

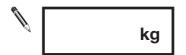


This scale shows how much Chen weighs.

[2014]



How much does Chen weigh?



[1 mark]

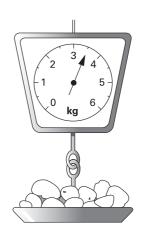


[2002]

This table shows the weight of some fruits and vegetables.

Complete the table.

|          | grams | kilograms |
|----------|-------|-----------|
| potatoes | 3500  | 3.5       |
| apples   |       | 1.2       |
| grapes   | 250   |           |
| ginger   |       | 0.03      |



| $\mathbf{U}$ |
|--------------|

Which value completes each sentence? Tick (✓) the correct box.

[Extra]

The weight of an apple is about ...

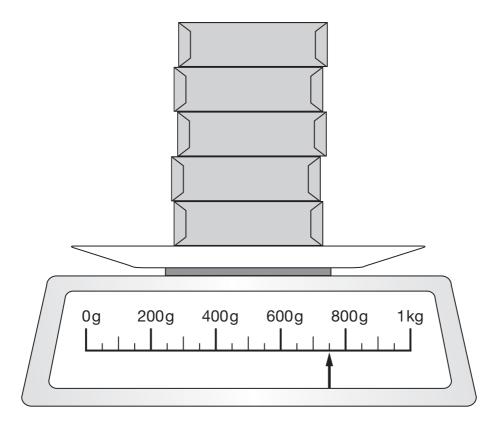
| 1 gram     |  |
|------------|--|
| 10 grams   |  |
| 100 grams  |  |
| 1000 grams |  |

[1 mark]

4

Look at the diagram.

[Extra]



The scale shows how much five parcels weigh.

All the parcels weigh the same.

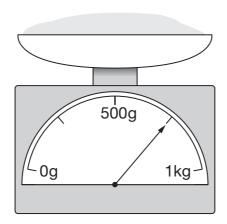
How much does one parcel weigh?

g

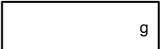
Raj is making a cake.

[Extra]

The scales show how much flour he uses.



How much flour does Raj use?

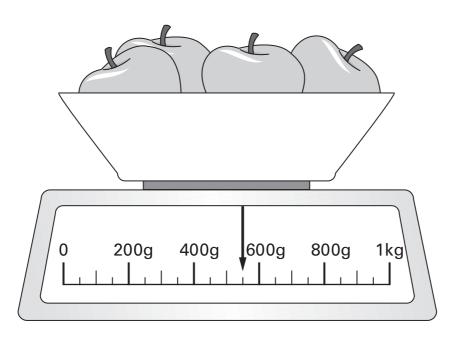


[1 mark]

6

Here are some apples.

[Extra]



What is the total weight of these apples?

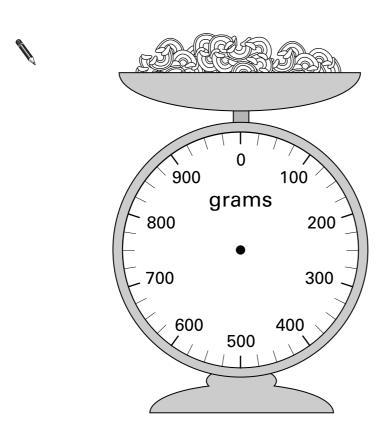
g

[2003]

Jamie is cooking pasta.

He weighs 350 grams of pasta.

Draw an arrow on the scale to show 350 grams.



[1 mark]

8

## About how much does a new-born baby weigh?

[Extra]

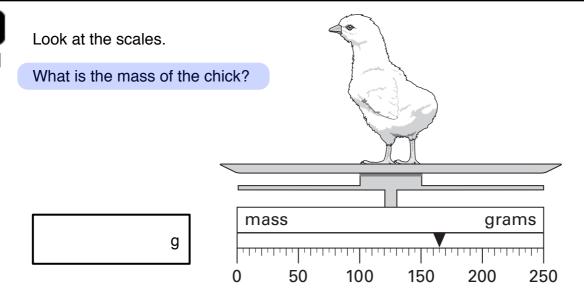
Tick (✓) the correct answer.

| 0.3 kg |    |
|--------|----|
| 3      | kg |
| 30     | kg |
| 300    | kg |



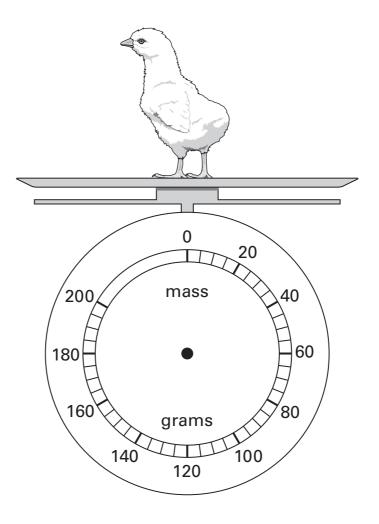


[Extra]



The diagram below shows the same chick on different scales.

Draw an arrow to show the mass of the chick.



Here are four masses.

[2011]

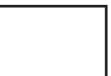
2 kilograms

1 tonne 800 grams  $\frac{1}{2}$  kilogram

Write the masses in order, starting with the lightest.



lightest

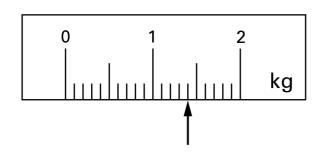




[2 marks]

[2001]

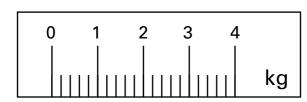
On this scale, the arrow (†) shows the weight of this pineapple.





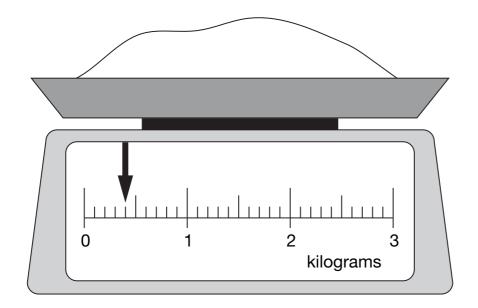
Here is a different scale.

Mark with an arrow (♠) the weight of the **same** pineapple.

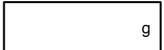


Here is some flour on a weighing scale.

[2006]



How many grams of flour are on the scale?



How much more flour must be added to the scale to make 1.6 kg?



[2 marks]

13

Circle one amount to make the sentence correct.

[Extra]



A hen's egg is likely to weigh about

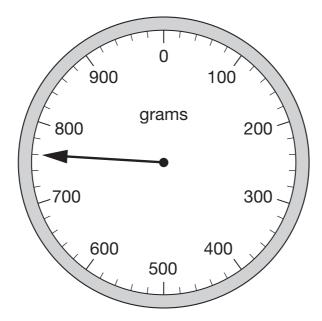
| 6g    |
|-------|
| 60 g  |
| 600 g |



Joe places some apples on a weighing scale.

[2011]

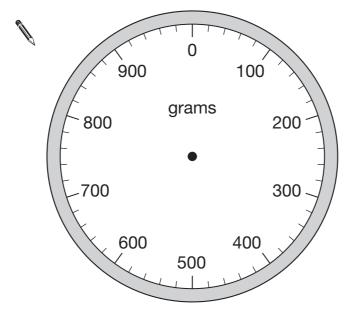
The pointer shows the mass of the apples.



He takes away one apple.

The mass goes down by 120 grams.

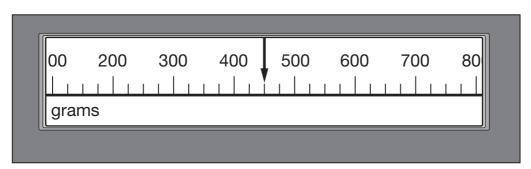
Draw the pointer in its new position on the scale below.



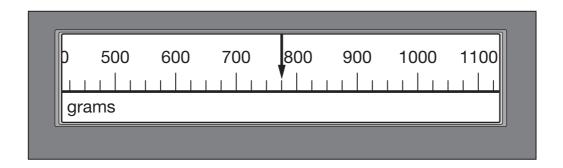


This scale shows the mass of Amy's kitten when it was one month old.





This scale shows the mass of the kitten when it was two months old.



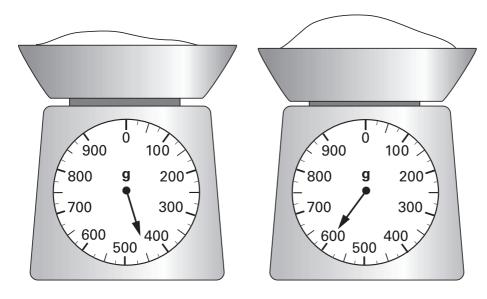
What is the increase in mass?



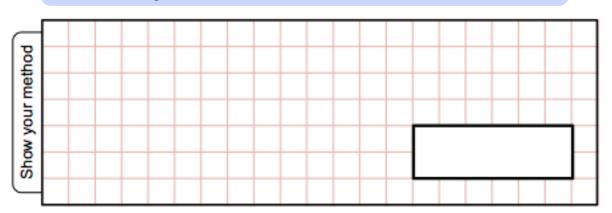
Emily is making a cake.

[Extra]

She puts flour on the scales. She then adds sugar to the flour.



How much sugar does she add?



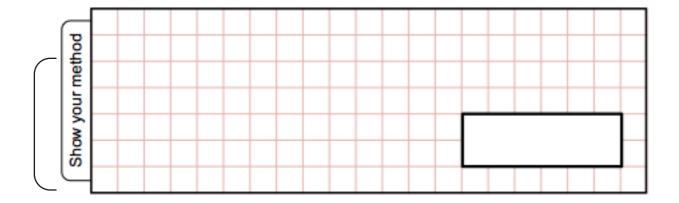
[2 marks]

17

One gram of gold costs £32.94

[2016S]

What is the cost of half a kilogram of gold?



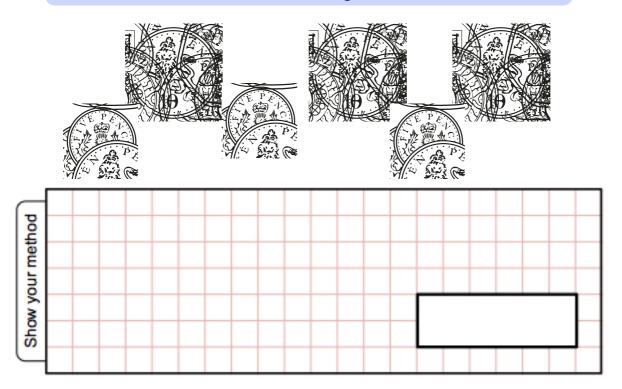


The mass of a 10p is 6.5g

[2016S]

The mass of a 5p coin is half the mass of a 10p coin.

# What is the mass of these six coins altogether?



[2 marks]

19

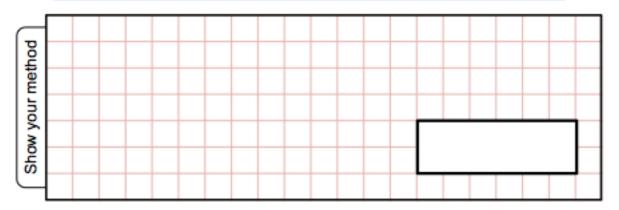
A packet contains 1.5 kg of oats.

[2016]

Every day Maria uses 50 g of oats to make porridge.



## How many days does the packet of oats last?



The table shows some masses written in grams and in kilograms.

[Extra]

Complete the table.

| grams  | kilograms         |
|--------|-------------------|
| 2000 g | 2 kg              |
| 200 g  |                   |
|        | 3.02 kg           |
|        | $2\frac{3}{4}$ kg |

[2 marks]

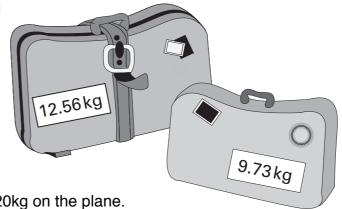
21

Amar packs two suitcases to take on a plane.

[Extra]

One suitcase weighs 12.56kg

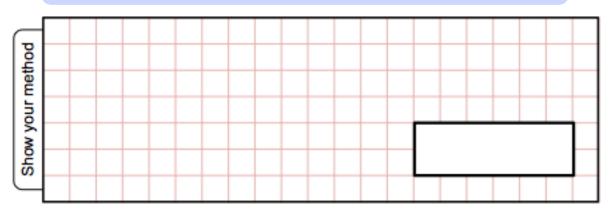
The other weighs 9.73kg



Amar is only allowed to take 20kg on the plane.

His suitcases are too heavy.

By how much are they too heavy?



[Extra]

Jack weighs himself.



44.8kg

Then Jack weighs himself together with his dog.

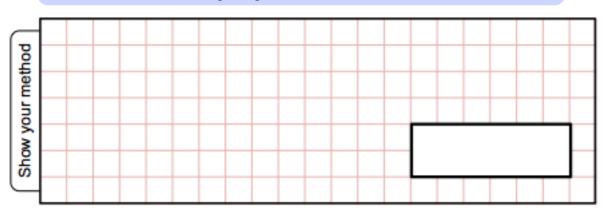


and



60.4kg

How much does the dog weigh?



[2 marks]

23

Here are four masses.

[Extra]

1.3 kg

1.03 kg

 $1\frac{1}{4}$  kg

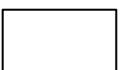
1200 g

Write the masses in order, starting with the lightest.









lightest



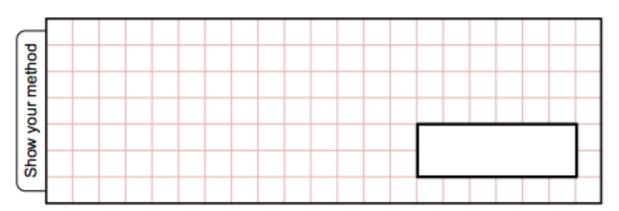
A packet contains 1.5 kilograms of guinea pig food.

[2003]

Remi feeds her guinea pig 30 grams of food each day.



How many days does the packet of food last?



[2 marks]

25

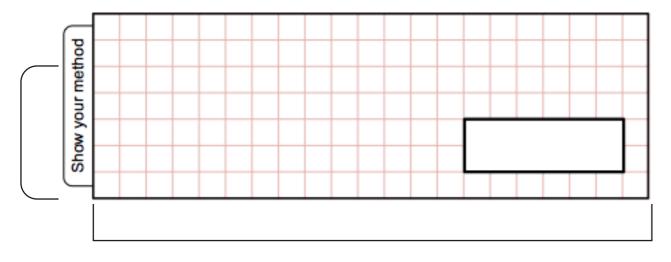
Chen and Megan each have a parcel.

[2013]

Chen's parcel weighs  $1\frac{1}{2}$ kg.

Megan's parcel weighs 1.2kg.

How many more **grams** does Chen's parcel weigh than Megan's parcel?



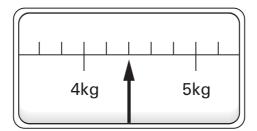


This scale shows the weight of Fred's cat.

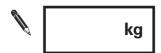
[2004]



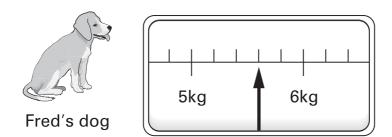




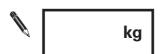
What is the weight of Fred's cat?



This scale shows the weight of Fred's dog.



How much more does Fred's dog weigh than his cat?







Cheddar cheese costs £7.50 for 1kg.

Marie buys 200 grams of cheddar cheese.

How much does she pay?

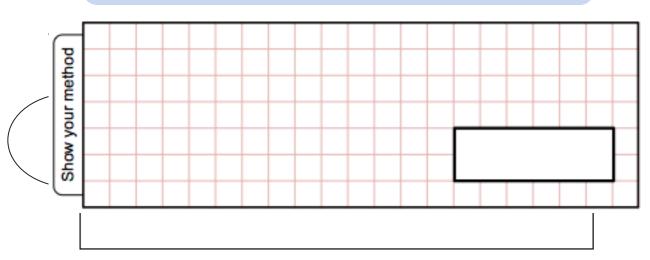


Cream cheese costs £3.60 for 1kg.

Robbie buys a pot of cream cheese for 90p.



How many grams of cream cheese does he buy?



[3 marks]