





Steps to Success

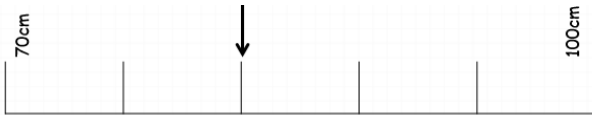
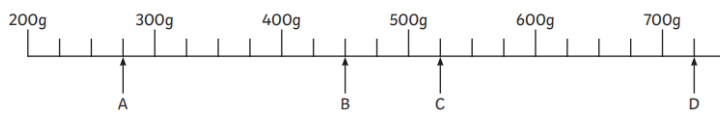
| Lockdown | |
|---|-----------------|
| Date | 23.02.21 |
| Subject/s | Maths |
| Learning Objective  | To read scales |

| | |
|---|---|
| SA  | TA  |
|---|---|

| | | | |
|---|---|-------------------|------------|
| Success Criteria  | I can find the difference | | |
| | I can divide by how many "gaps" there are | | |
| | I can add to work out the intervals | | |
| Support | Independent | Adult Support () | Group Work |

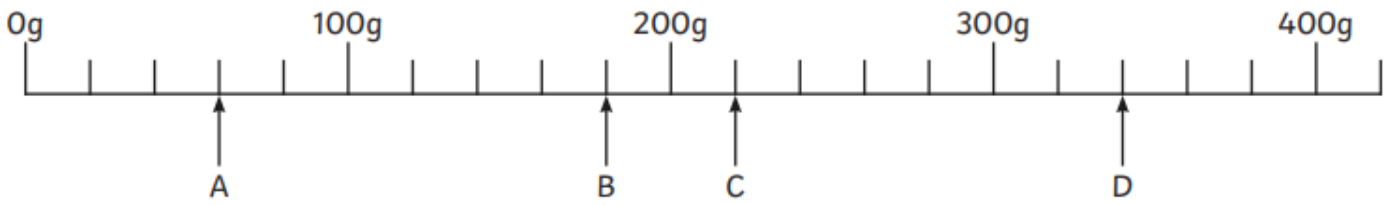
Pre-task:

Label the intervals



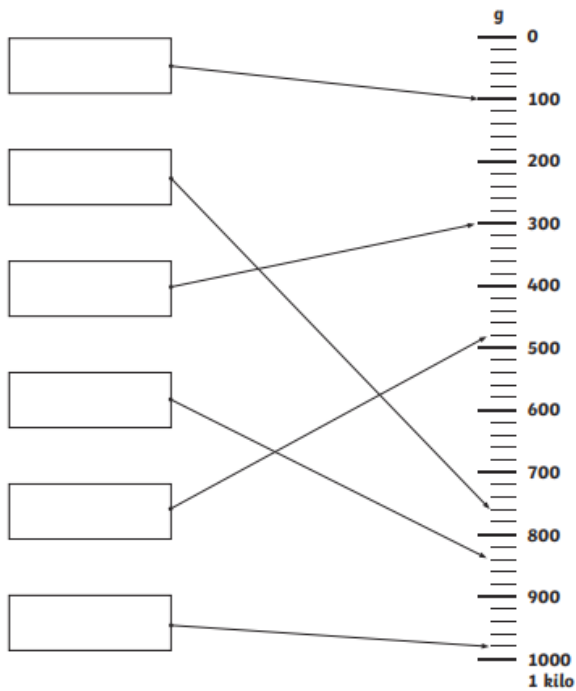
Questions



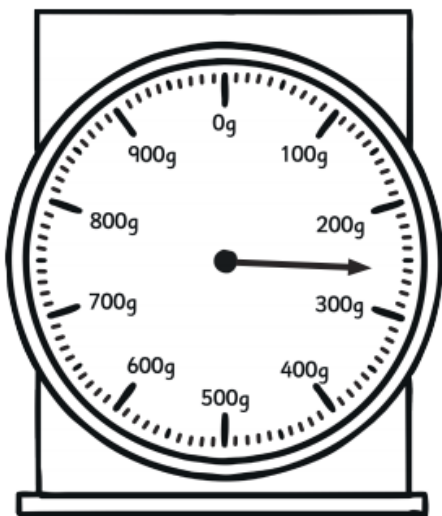


A=
B=
C=
D=

The scale shows 1 Kilogram, each large division is 100 grams and each small division is 20 grams.
Write in the reading for each of the arrows.



Weighing scales can be read like a clock, the dial indicator moves as the weight increases. Each big line is 100g, each small line is 10g, the arrow shows 260g.



Draw arrows on the scale to show these weights:

- a. 520g
- b. 400g
- c. 960g
- d. 1000g
- e. 180g

Answers

1. 80ml
2. 130ml
3. 220ml
4. 160ml
5. 550ml
6. 350ml

$$A = 60g$$

$$B = 180g$$

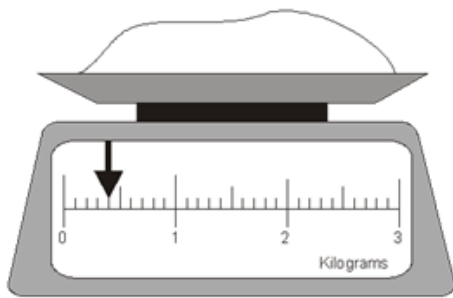
$$C = 220g$$

$$D = 340g$$

1. 100g
2. 760g
3. 300g
4. 840g
5. 480g
6. 980g

Problem Solving and Reasoning

Q1. Here is some flour on a weighing scale.



How many grams of flour are on the scale?

grams

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

Q3. Here is part of a number line.

It is divided into equal sections.

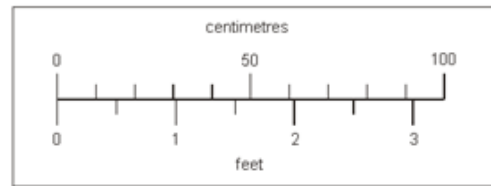


Write the letter of the section where each of these numbers belongs.

The number 99 has been done for you.

| number | section |
|--------|---------|
| 99 | J |
| 29 | |
| -83 | |
| -15 | |
| 44 | |

Q2. This scale shows length measurements in centimetres and feet.



Not actual size

Look at the scale.

Estimate the number of centimetres that are equal to $2\frac{1}{2}$ feet.

cm

1 mark

1 mark

Estimate the difference in centimetres between 50cm and $1\frac{1}{2}$ feet.

cm

1 mark

1 mark

2 marks

Answers

M1. (a) 400

Answer must be in grams.

1

(b) 1200g **OR** 1.2 kg

OR

for finding the correct difference between 1.6 kg and the answer given for (a).

*Accept 1200 **OR** 1.2 **OR** 1kg 200g*

1

M2. (a) Answer in the range 76cm to 78cm inclusive.

1

(b) Answer in the range 3cm to 5cm inclusive.

1

M3. Award **TWO** marks for all four letters in the correct order as shown:

99 **J**

29 **G**

-83 **A**

-15 **E**

44 **H**

If the answer is incorrect, award **ONE** mark for three letters correct.

Further Challenge

Make a revision page in your book to show everything you know about measurement so far

Include some examples of problems