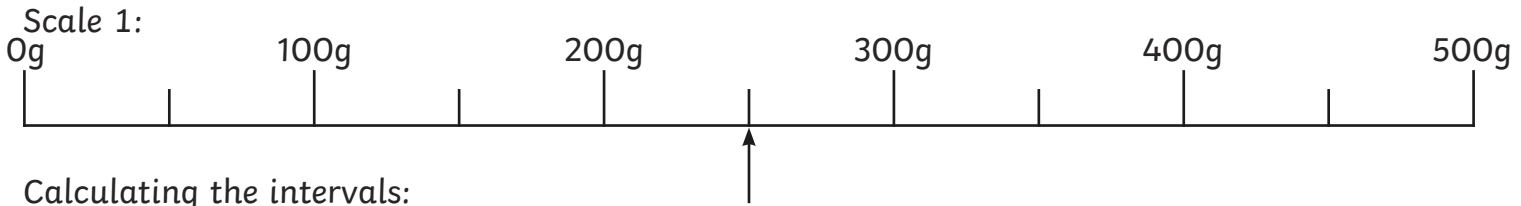# Reading Scales to Measure in Grams

I can read scales to measure in grams.

For each scale, write a calculation to show how you worked out what each interval is worth and then say how many grams the arrows are pointing to. The first one has been done for you.
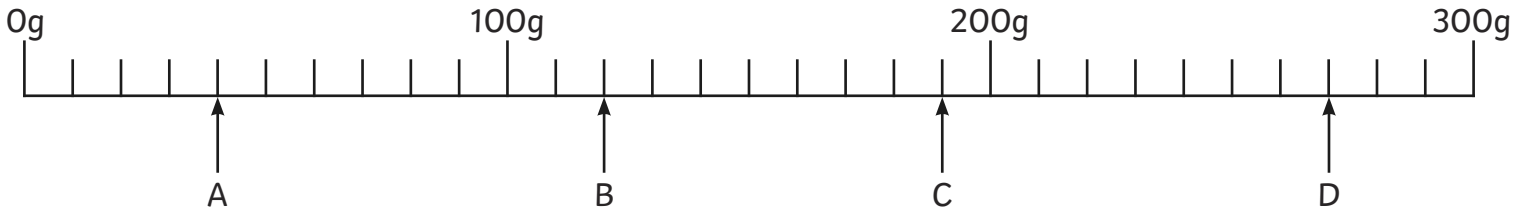
Scale 1:

0g   100g   200g   300g   400g   500g

Calculating the intervals:

There are __2__ intervals between 0 and 100.

100 ÷ __2__ = 50

Each interval is worth __50__ g.
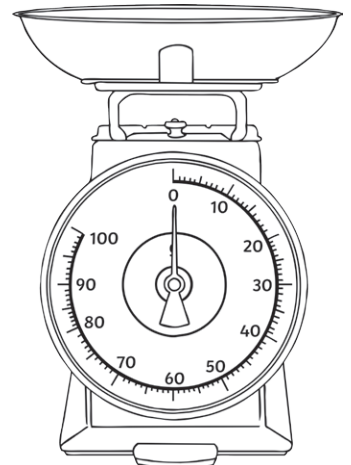
The arrow is pointing to __250__ g.

Scale 2:

0g   100g   200g   300g

A   B   C   D

There are _____ intervals between 0 and 100.

100 ÷ _____ = _____

Each interval is worth _____ g.

Arrows are pointing to:

A _____ g

B _____ g

C _____ g

D _____ g

Scale 3:

0g   50g   100g   150g

A   B   C   D

There are _____ intervals between 0 and 50.

50 ÷ _____ = _____

Each interval is worth _____ g.
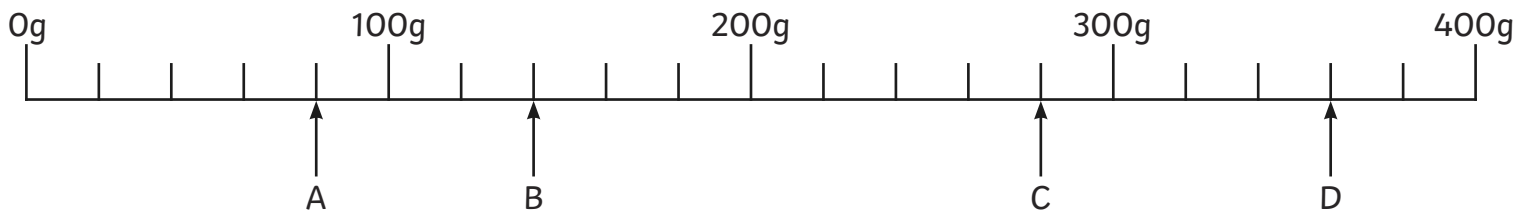
Arrows are pointing to:

     A _____ g

     B _____ g

     C _____ g

     D _____ g

Scale 4:

0g   100g   200g   300g   400g

A   B   C   D

There are _____ intervals between 0 and 100.

100 ÷ _____ = _____

Each interval is worth _____ g.

Arrows are pointing to:

     A _____ g

     B _____ g

     C _____ g

     D _____ g

Reading Scales to Measure in Grams **Answers**

I can read scales to measure in grams.

Scale 2:

There are __10__ intervals between 0 and 100.

100 ÷ __10__ = __10__
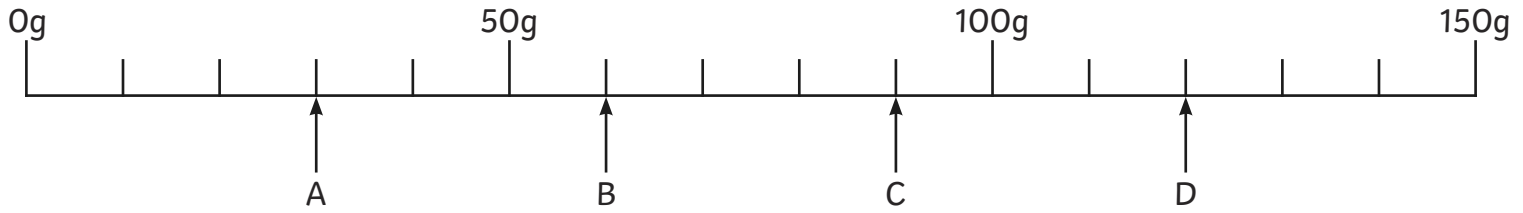
Each interval is worth __10__ g.

Arrows are pointing to:

      A __40__ g

      B __120__ g

      C __190__ g

      D __270__ g

Scale 3:

There are __5__ intervals between 0 and 50.

50 ÷ __5__ = __10__

Each interval is worth __10__ g.

Arrows are pointing to:

      A __30__ g

      B __60__ g

      C __90__ g

      D __120__ g

Scale 4:

There are __5__ intervals between 0 and 100.

100 ÷ __5__ = __20__

Each interval is worth __20__ g.

Arrows are pointing to:

      A __80__ g

      B __140__ g
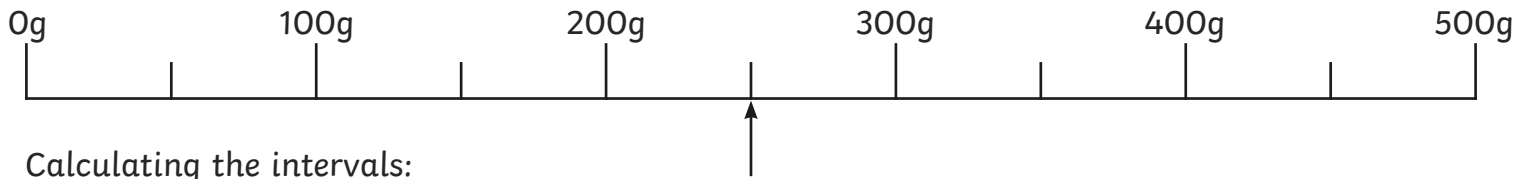
      C __280__ g

      D __360__ g

Reading Scales to Measure in Grams

I can read scales to measure in grams.

For each scale, write a calculation to show how you worked out what each interval is worth and then say how many grams the arrows are pointing to. The first one has done for you.

Scale 1:

0g   100g   200g   300g   400g   500g
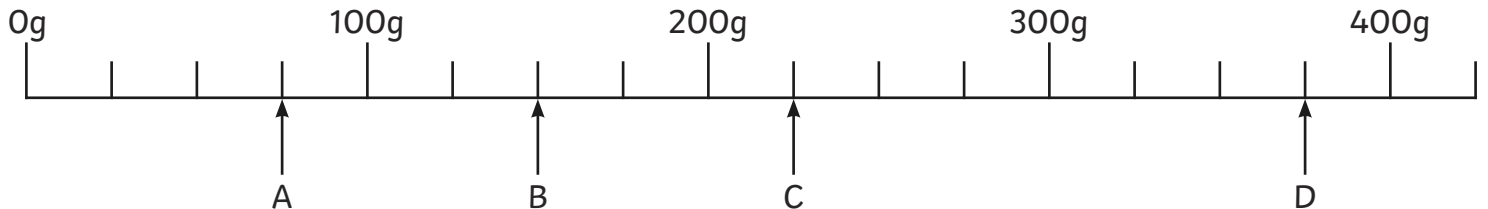
Calculating the intervals:

There are __2__ intervals between 0 and 100.

100 ÷ __2__ = 50

Each interval is worth __50__ g.

The arrow is pointing to __250__ g.

Scale 2:

0g   100g   200g   300g   400g

A   B   C   D

Calculating the intervals:

There are _____ intervals between 0 and 100.

100 ÷ _____ = _____

Each interval is worth _____ g.

Arrows are pointing to:

A _____ g

B _____ g

C _____ g

D _____ g

Scale 3:

0g   100g   200g   300g   400g

A   B   C   D

Write a sentence to explain how you calculated the intervals:

Calculating the intervals:

_____

_____

_____

Arrows are pointing to:

A _____ g

B _____ g

C _____ g

D _____ g

Scale 4:

0g   50g   100g   150g   200g   250g   300g

A   B   C   D

Write a sentence to explain how you calculated the intervals:

Calculating the intervals:

_____

_____

_____

Arrows are pointing to:

A _____ g

B _____ g

C _____ g

D _____ g

Reading Scales to Measure in Grams **Answers**

I can read scales to measure in grams.

Scale 2:

There are __4__ intervals between 0 and 100.

100 ÷ __4__ = __25__

Each interval is worth __25__ g.
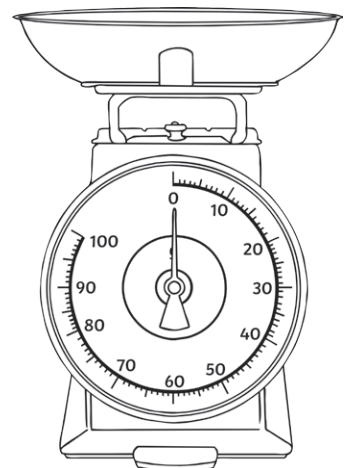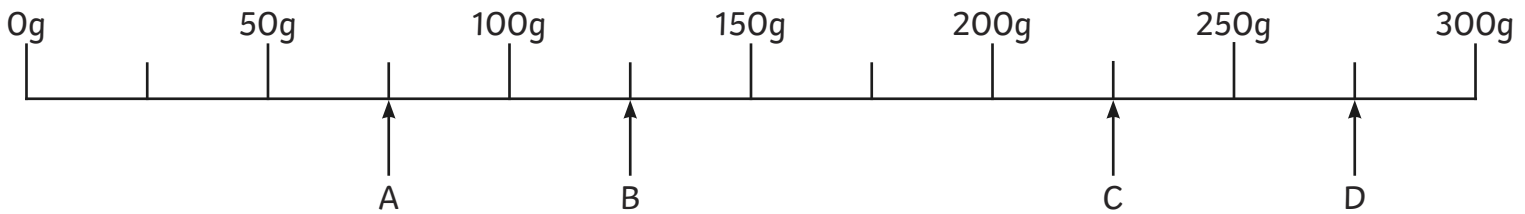
Arrows are pointing to:

     A __75__ g

     B __150__ g

     C __225__ g

     D __375__ g

Scale 3:

Write a sentence to explain how you calculated the intervals:

A sentence explaining that to calculate the smaller intervals you divide the difference between the 2 larger intervals by the number of intervals. This gives the answer 20g.

Arrows are pointing to:

     A __60__ g

     B __180__ g

     C __220__ g

     D __340__ g

Scale 4:

Write a sentence to explain how you calculated the intervals:

A sentence explaining that to calculate the smaller intervals you divide the difference between the 2 larger intervals by the number of intervals. This gives the answer 25g.

Arrows are pointing to:

     A __75__ g

     B __125__ g
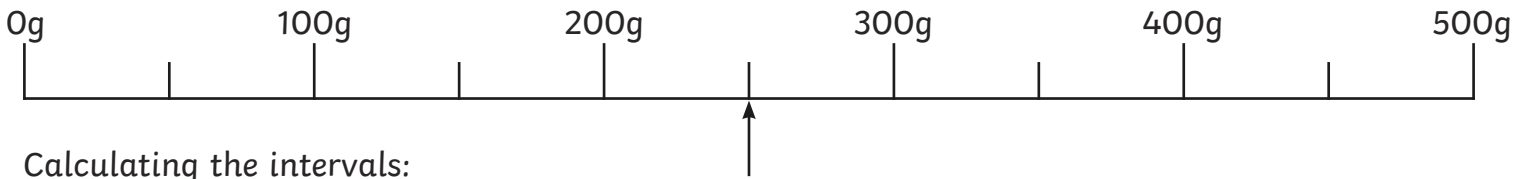
     C __225__ g

     D __275__ g

Reading Scales to Measure in Grams

I can read scales to measure in grams.

For each scale, write a calculation to show how you worked out what each interval is worth and then say how many grams the arrows are pointing to. The first one has done for you.

Scale 1:

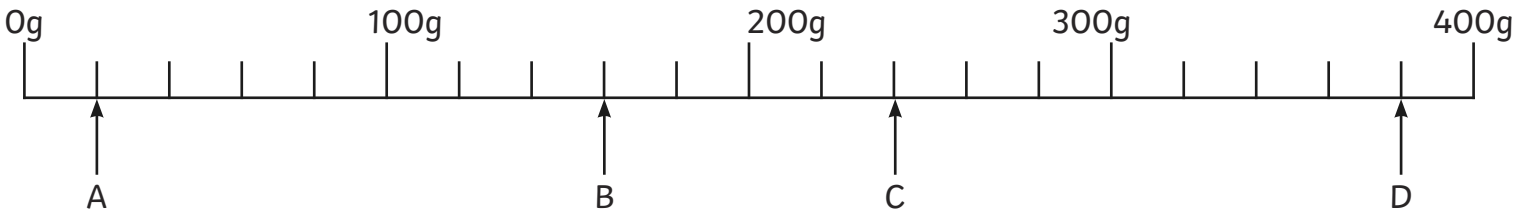0g   100g   200g   300g   400g   500g

Calculating the intervals:

There are __2__ intervals between 0 and 100.

100 ÷ __2__ = 50

Each interval is worth __50__ g.

The arrow is pointing to __250__ g.

Scale 2:

0g   100g   200g   300g   400g

A   B   C   D

Write a sentence to explain how you calculated the intervals:

Calculating the intervals:
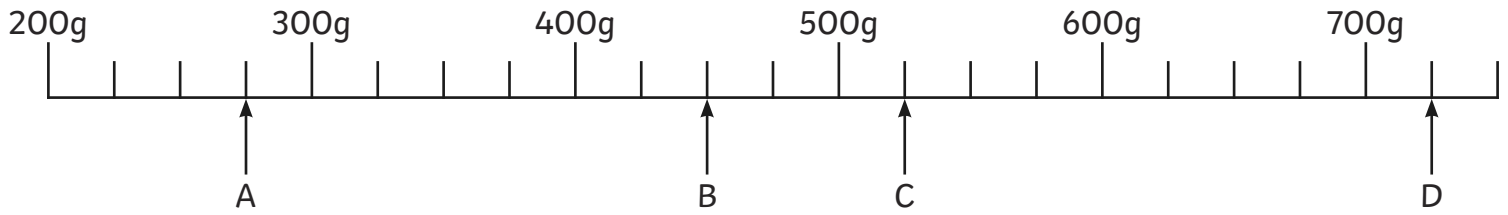
_____

_____

_____

Arrows are pointing to:

A _____ g

B _____ g

C _____ g

D _____ g

Scale 3:

200g   300g   400g   500g   600g   700g

A   B   C   D

Write a sentence to explain how you calculated the intervals:

Calculating the intervals:

_____

_____

_____

Arrows are pointing to:

A _____ g

B _____ g

C _____ g

D _____ g

Scale 4:

Use a ruler to draw your own scale.

On the scale mark the following masses:

Arrows are pointing to:

A **75** g

B **150** g

C **225** g

D **375** g

Reading Scales to Measure in Grams **Answers**

I can read scales to measure in grams.

Scale 2:

Write a sentence to explain how you calculated the intervals:

A sentence explaining that to calculate the smaller intervals you divide the difference between the 2 larger intervals by the number of intervals. This gives the answer 20g.

Arrows are pointing to:

> A **20** g
> B **160** g
> C **240** g
> D **380** g

Scale 3:

Write a sentence to explain how you calculated the intervals:

A sentence explaining that to calculate the smaller intervals you divide the difference between the 2 larger intervals by the number of intervals. This gives the answer 25g.

Arrows are pointing to:

> A **275** g
> B **450** g
> C **525** g
> D **725** g

Scale 4:

The scale shows equally spaced intervals, the larger intervals labelled.
The choice of intervals is suitable for the numbers and the masses are indicated accurately.