

Monday		
Bar Models		

Bar models help us to decide how to solve a problem.

What is 100 divided by 2?

100

?

?



4

Both bars will equal the same amount.



4

If the top bar is 4 the bottom bar will be _____ .

So 4, split into 2 parts would be _____ in each part.

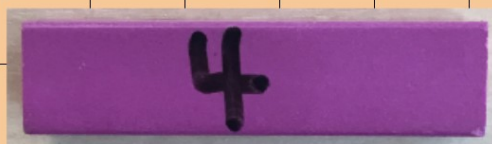
4

.

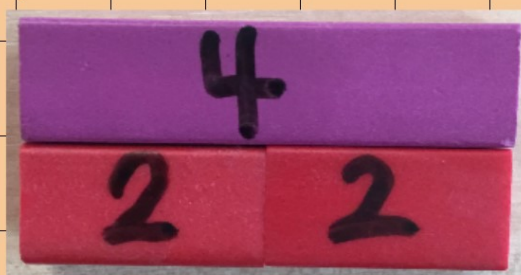
If the top bar is 4, the bottom bar will be _____.

So 4, split into 4 parts would be _____ in each group.

Activity:
Pick a cuisenaire rod.



What other rods can make your number?



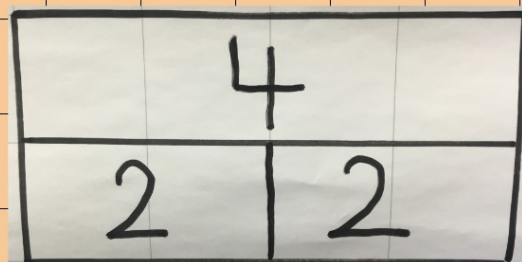
What calculations can you see in your bar model?

4			
2			2

2	+	2	=	4
4	÷	2	=	2
2	×	2	=	4
4	-	2	=	2

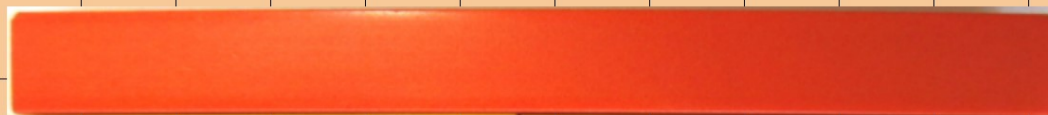


Make a bar model to show your rods.

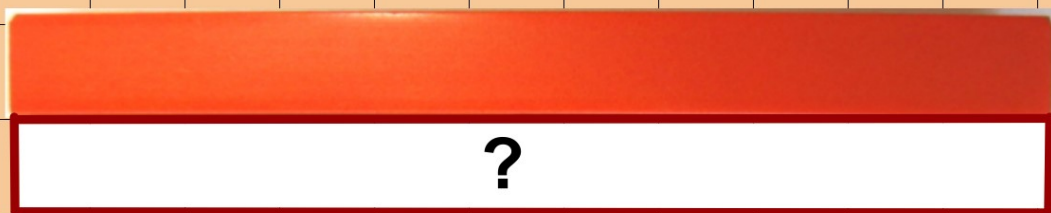


Activity 2

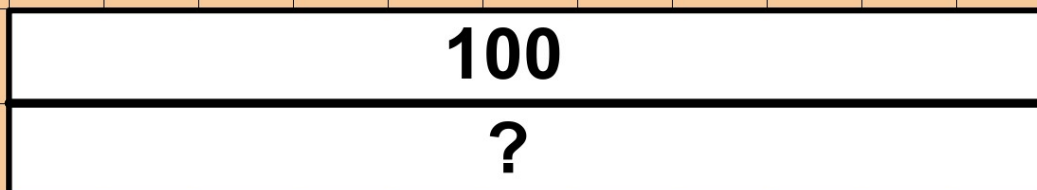
Choose a 10 rod



See what numbers fit into it.



How can this help us when dividing 100 and 1000?



Show and explain using bar models.

Starter Board - Dividing into 2

Challenge

Complete these sequences

0 5 10 _____ 20 _____ _____ 35 40

0 50 100 _____ _____ 250 300 350 _____

What do you notice about the numbers in the top row and the bottom row?

Mega Challenge

Derek counts from 0 in multiples of 50. Circle the number he will say.

100 25 440 155 300 375 405 150

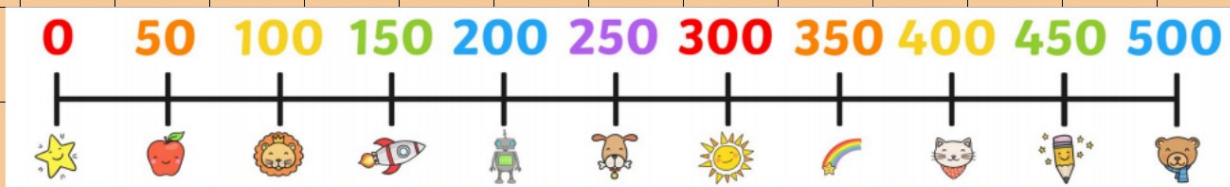
How do you know?

Tuesday

5 x table

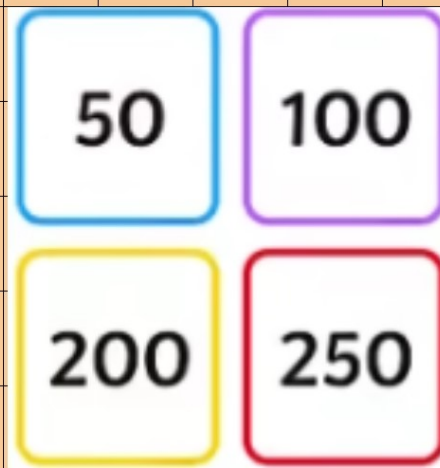


Tell me how counting in 5s can help us count in 50s.



Activity

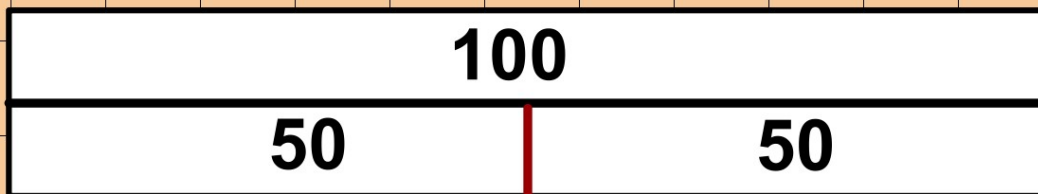
Put the multiples of 50 in order



Tell me how many 50s make 100

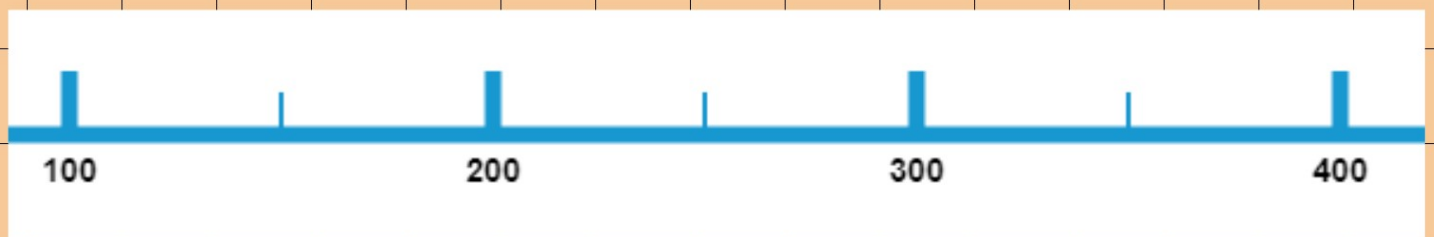
100

Two 50s make 100

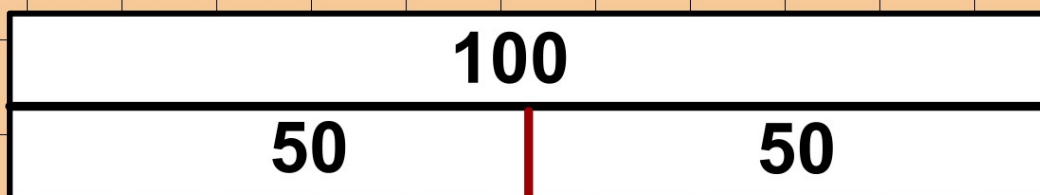


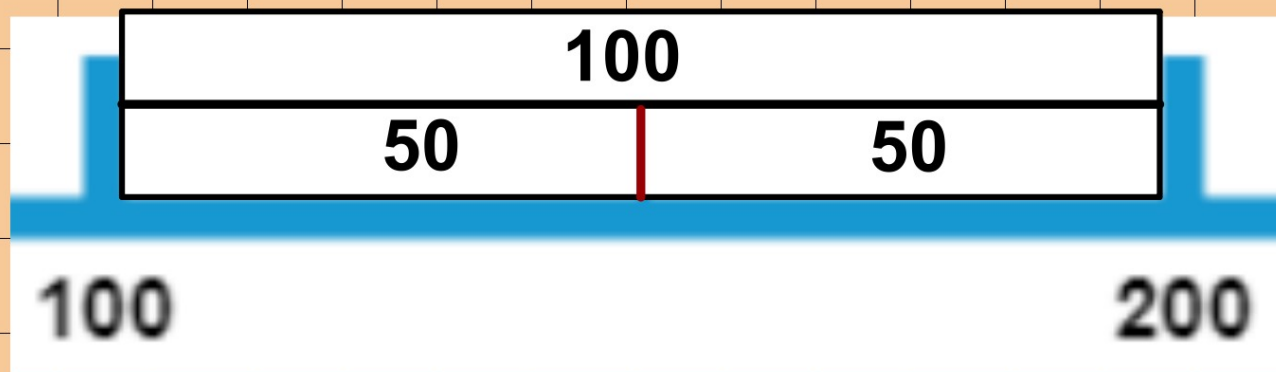
**We can use this to help us read
number lines, scales and graphs that
count up in 50s.**

If there is a line in the middle between 100s, we know that it is counting up in 50s

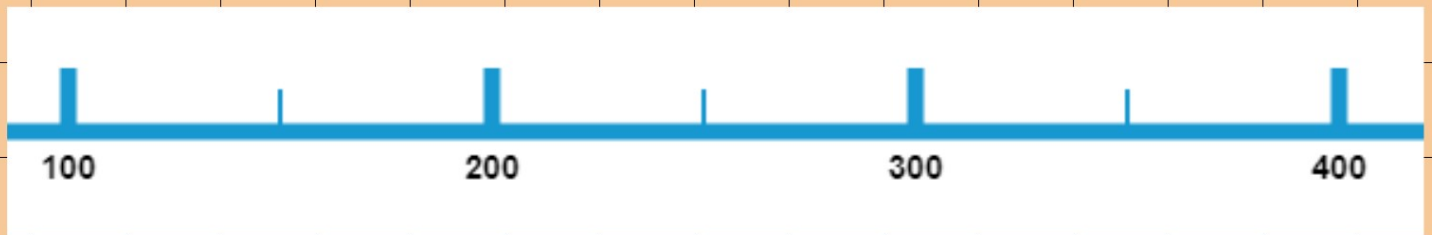


**This is because $50 + 50 = 100$.
Also $100 \div 2 = 50$**





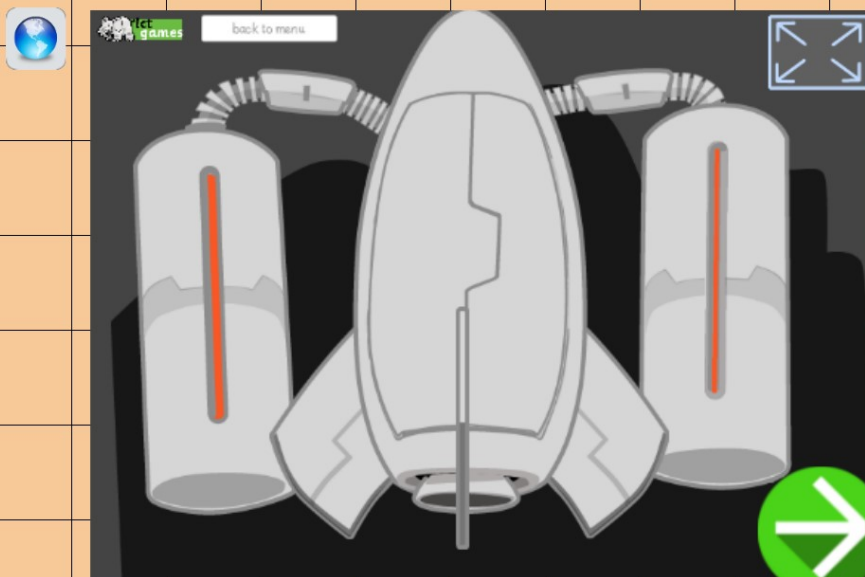
Tell me what numbers are missing.



.

How do you know?

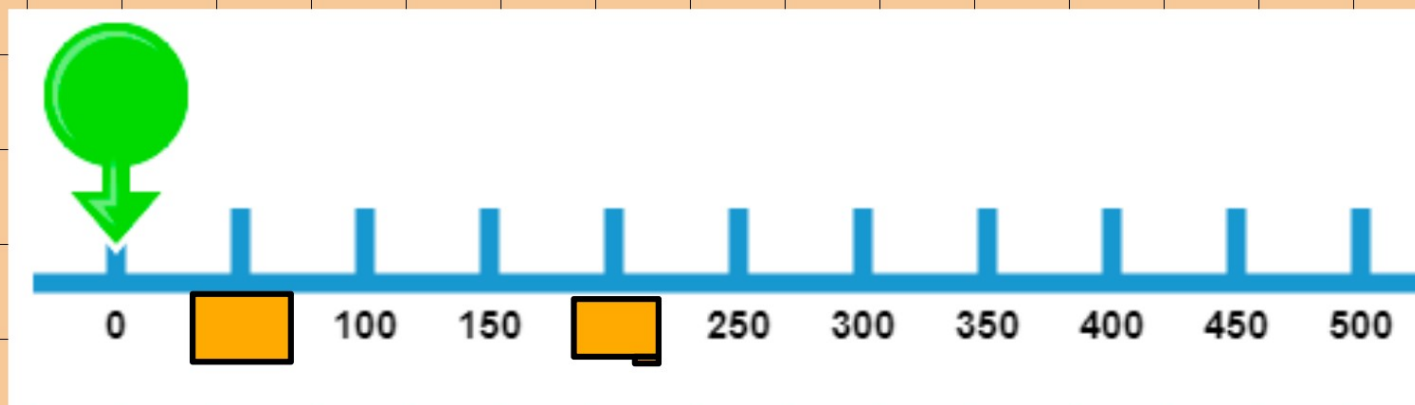
Let's use this information to read some scales.



Can you work out the measurements?

I do

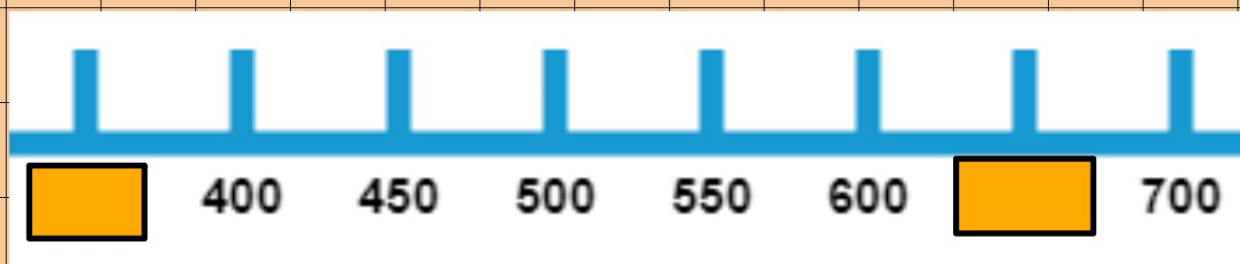
Tell me what numbers are missing.



Tell me how you know.

We do

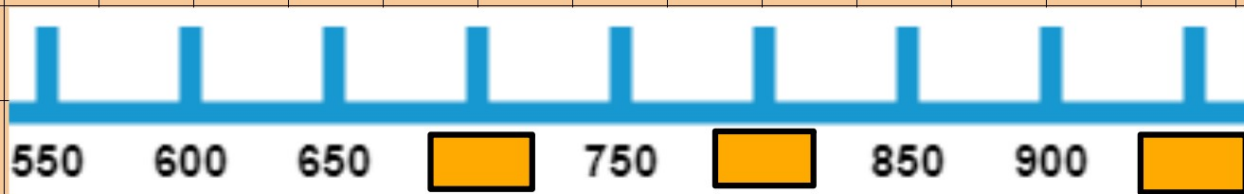
Tell me what numbers are missing.



Tell me how you know.

You do

Tell me what numbers are missing.



Tell me how you know.

Wednesday

Starter Board - Dividing into 4

Challenge

Complete these sequences

0	25	50	_____	100	_____	_____	175	200
225	_____	275	_____	325	_____	_____	400	_____

Mega Challenge

Derek counts from 0 in multiples of 25. Circle the number he will say.

100 25 240 155 500 175 505

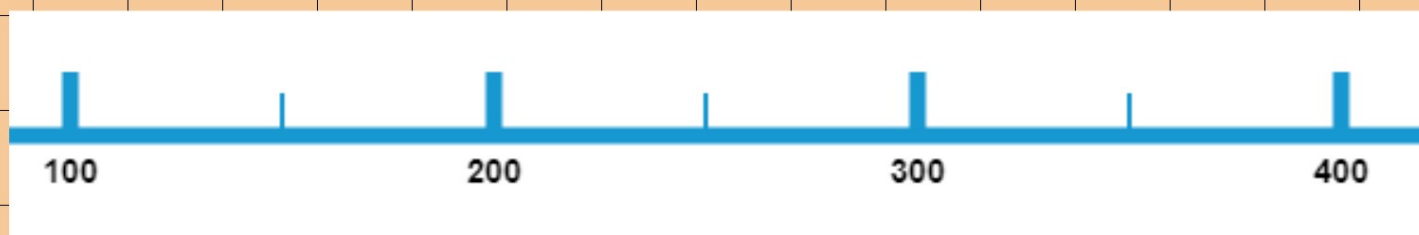
How many 25p biscuits can I buy for £5?

How do you know?

Recap

$$100 \div 50 = \square$$

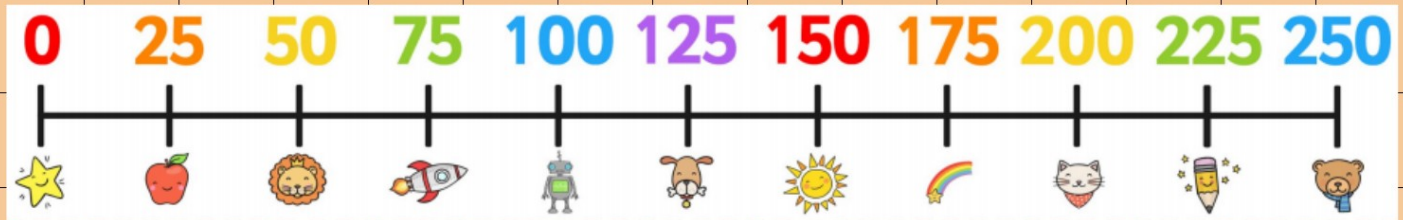
Tell me what numbers are missing.



Tell me how you know.

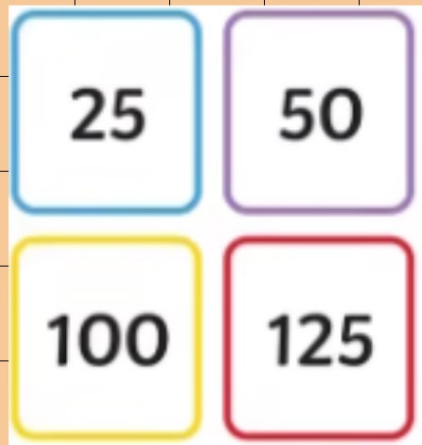
How many 50cms are in a metre?

Count in 25s - Half of 50



Activity

Place the multiples of 25 in order from smallest to largest.

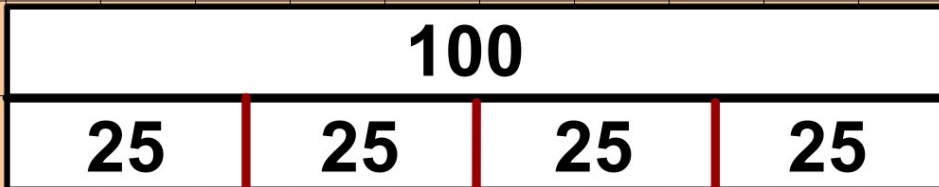


Tell me how many 25s make 100

100

Think about how many 25s make 50

Four 25s make 100

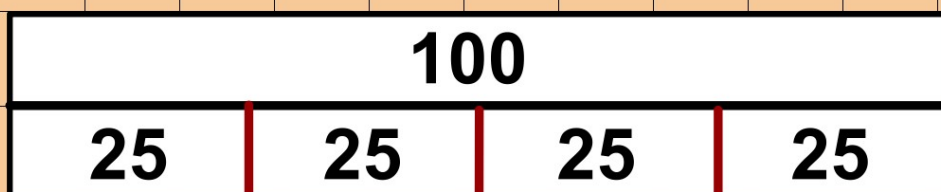
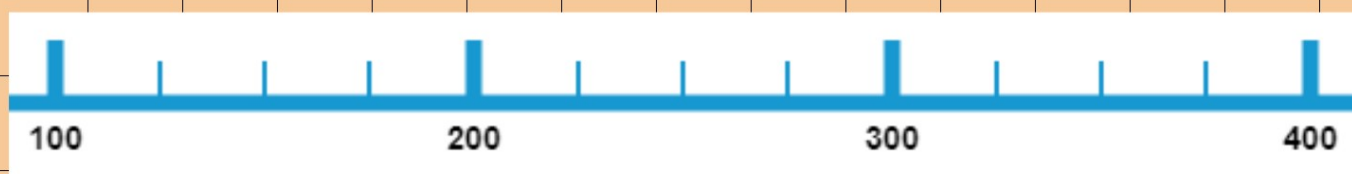


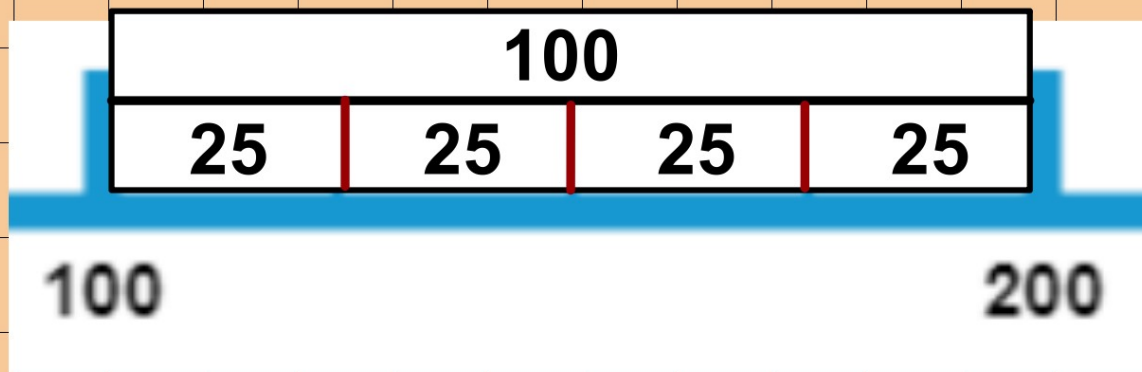
So, $4 \times 25 = 100$

and

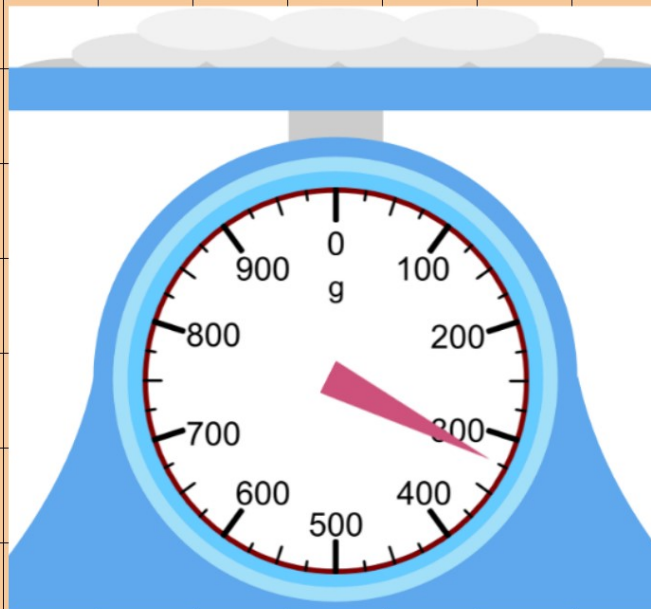
$100 \div 25 = 4$

**If there are 4 lines between hundreds,
we know each line equals 25.**





Let's use this information to read some scales.



Can you work out the measurements?

I do

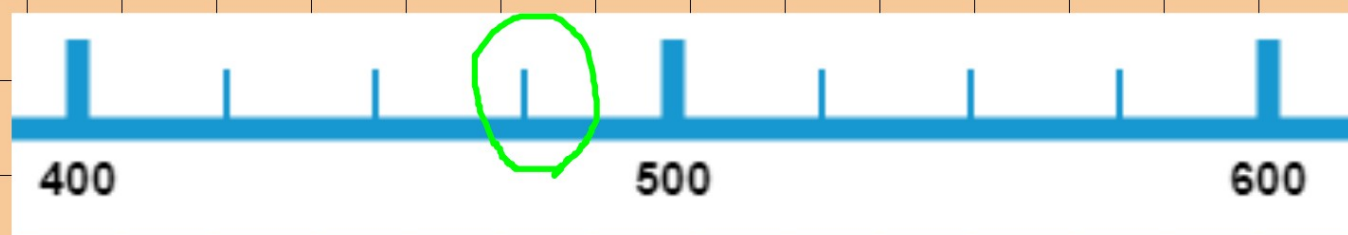


200

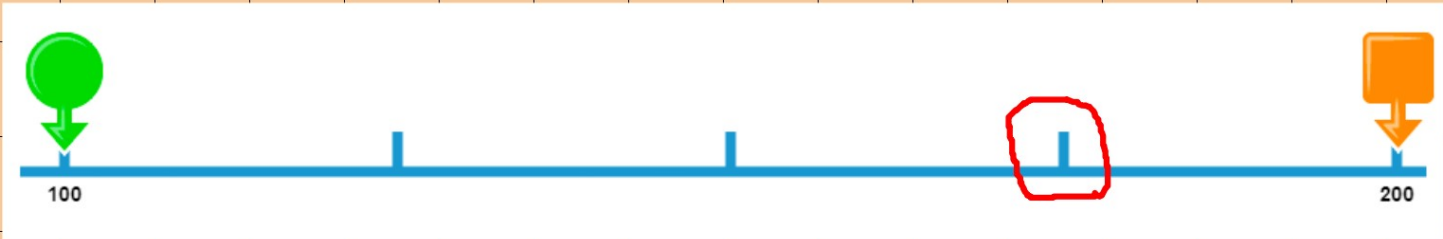


300

We do



You do



Complete the following sequences:

a) 25 50 75 _____ 125 _____

b) 175 150 _____ 100 _____ 50

c) 125 150 _____ 200 _____ 250

d) _____ _____ 175 150 125 100

e) 275 _____ 325 350 _____ 400

f) 325 _____ 275 _____ 225 200

g) _____ 450 425 400 _____ 350

h) 625 _____ 575 550 525 _____

i) 700 _____ 750 775 _____ 825

j) _____ 950 925 _____ 875 850

1 chilli

Can you complete these sequences by counting in 250?

0	25		
175		250	
550	575		
		875	
			1125
			125
			725

On this measuring jug, the intervals on the scale go up in steps of _____ millilitres.

What were Jeremy and Aali's scores?

Score	Jeremy	Aali
100		
0		

Write a sentence to explain how you calculated the intervals.

Calculating the intervals

Answers are pointing to:

A _____ g
B _____ g
C _____ g
D _____ g

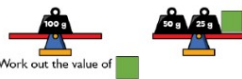
2 and 3 chillies

The chocolate bar weighs 100 g.
How much does one muffin weigh? Prove it.



How much does each side weigh?

Both balances weigh the same.



Work out the value of

Show your answer using a bar model.

How many 25 cm lengths can I cut from a 3 metre length of wood? Prove your answer.

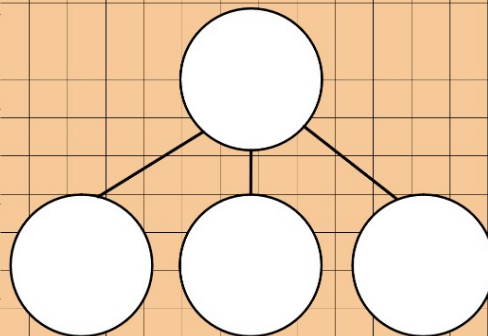


Reasoning

**Assessment - you can do
any working out in your
book.**

10

$$461 = \square + 60 + 1$$



Assessment - You will need IPADS



Click on the IPAD to access the assessment

When you have finished:

Log in to TT rockstars

Log in to IXL

Practise your Chesswood Cards

