Year 4 Maths Remote learning Week beginning Tuesday 5th January 2021

This pack contains:

- Completed activity for teaching
- 4 lessons with tasks

You will then need to bring in your homework book when you return to school. The teacher will then be able to give you feedback on the work.

Lesson 1
Can I add and subtract on a number line?

Starter:

Can you remember how to convert between mm and cm?
How many mm in these lengths?
6.5cm, 1.9cm, 10.4cm, 12.3cm.
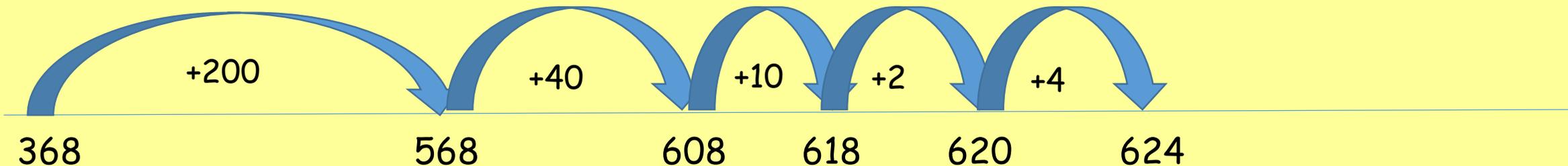How many cm are equivalent to these mm?
58mm, 60mm, 115mm, 206mm.

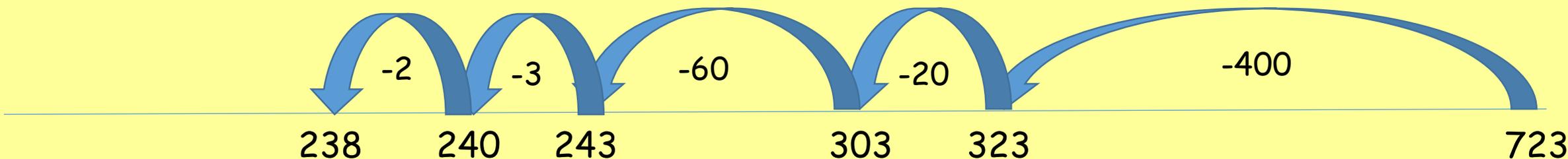5.8cm, 6cm, 11.5cm, 20.6cm
65mm, 19mm, 104mm, 123mm
Answers

Task:
Today, your task is to practise your adding and subtracting on a number line.
Look at these examples. Can you follow the partitioning?
256 + 368 =

+200   +40   +10   +2   +4

368   568   608   618   620   624

723 - 485 =

-2   -3   -60   -20   -400

238   240   243   303   323   723

Lesson 1
Can I add and subtract on a number line?

Now choose four questions to do yourself.
Remember to show the working out for each question on a number line.

Blue (Easy)	Purple (Medium)	Green (Hard)	Yellow (Challenge)
23 + 35 = 19 + 46 = 34 – 17 = 52 – 28 =	124 + 55 = 367 + 78 = 421 – 67 = 719 – 79 =	354 + 287 = 493 + 338 = 721 – 276 = 984 – 595 =	7683 + 925 = 4892 + 3786 = 6427 – 738 = 9173 – 7695 =

When you have finished, use a calculator to check your answers. If they are right, well done!
If they are wrong, have a look through your working out to see if you can find your mistake and correct it.

Lesson 2
Can I choose operations to solve length problems?

Starter:

Can I convert between m and cm?
How many cm in these lengths?
4.7m, 8.5m, 10.3m, 25.2m.
How many m are equivalent to these cm?
80cm, 530cm, 672cm, 804cm, 1243cm, 1805cm

Task: Your task today is to look at the Key Problem for our Rainbow tasks this week.

The Key problem is:
Jenna threw her javelin 4.9m and 340cm.
How far, in total, did she throw her javelin in cm?
What would the answer be in m?

On the next page you will find a sheet that will help you to think about the problem. Can you complete the boxes?

Lesson 2
Can I choose operations to solve length problems?

Can I draw a picture of this problem?

Can I show this problem on a Bar Model?

Can I choose operations to solve length problems?

Stuck? Get stuck in!

Date:

Problem: Jenna threw her javelin 4.9m and 340cm.
How far, in total, did she throw her javelin in cm?
What would the answer be in m?

Rainbow Colour: WAGOLL

(PURPLE)

Are the numbers in the same unit of length? If not - convert!

What is the calculation for this problem?

Solve in your book using number lines to show your working out.

When you are done,
have a look at the solution
on the next page.

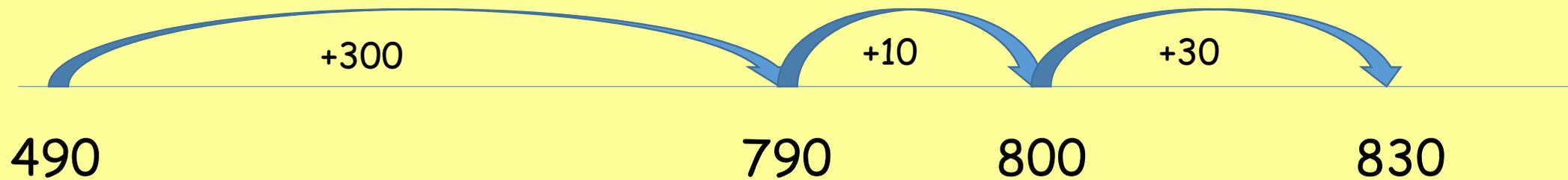Can I choose operations to solve length problems?

Bar model

Total	
4.9m (490cm)	340cm

Remember you need both lengths in cm!

Calculation
490 + 340 =

Solution

490   +300   790   +10   800   +30   830

Answers: Jenna threw her javelin 830cm in total.
The length of her throws in metres is 8.3m

Lesson 3
Can I choose operations to solve length problems?

Starter:

Can I find complements for 100?
What number do you need to add to these numbers to make 100?
45, 12, 38, 52, 79, 84, 61, 95, 27

Answers
55, 88, 62, 48, 21, 16, 39, 5, 73

Task: Today, you are going to complete some more problems like the Key Problems we looked at yesterday.

Remember to show all you working out and write the answers clearly in cm and m.

Lesson 3
Can I choose operations to solve length problems?

Purple 1

Jenna threw her javelin

320 cm and 1.8m

How far did Jenna throw her javelin in total in cm?

What would the answer be in metres?

Purple 2

Jenna threw her javelin

250 cm and 2.2m.

How far did Jenna throw her javelin in total in cm?

What would be the answer in metres?

Purple 3

Jenna threw her javelin

195cm and 3.6m.

How far did Jenna throw her javelin in cm?

What would be the answer in metres?

Lesson 4
Can I choose operations to solve length problems?
Starter:

Can I find complements to 1000?
What number do you need to add to these numbers to get 1000?
200, 750, 820, 410, 635, 175, 525, 712, 389

Task: You will be solving another similar length problem.
Look at this problem:
Jenna threw her javelin 6.43m and 478cm.
What is the difference between her throws in cm?
What would the answer be in m?

Can you see how this question is different to the previous Key Problem?

Well done if you spotted that you have to find the difference instead of the total. This means the calculation will be subtraction instead of addition.

Try the problems on the next page.
Remember to show your working out!

Lesson 4
Can I choose operations to solve length problems?

Green 1

Jenna threw her javelin
5.75m and 356cm.
What is the difference between her two throws in cm?
What would the answer be in metres?

Green 2

Jenna threw her javelin
543cm and 2.98m.
What is the difference between her two throws in cm?
What would be the answer in metres?

Green 3

Jenna threw her javelin
1242cm and 9.86m.
What is the difference between her two throws in cm?
What would be the answer in metres?