

Canonbury Home Learning

Year 1 Maths

Date: Thursday 11.6.2020

LO: To problem solve

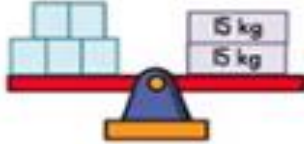
Watch the interactive video on White Rose Home Learning <https://whiterosemaths.com/homelearning/year-1/>

Summer Term - Week 2 (w/c 27th April)

Lesson 4 - Problem Solving

Problem Solving

The scales are balanced.



Each block has the same mass.

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Success Criteria:

1. Watch the video and pause it to answer the questions.
2. (Practical problem solving) Cut two strips of paper which are different lengths. Measure the lengths of both strips with a ruler.
3. Ask the question; how much longer is one strip than the other? Record a subtraction calculation. - =
4. Answer the questions on the worksheet.

Model

Today we are going to try some problem solving. There is a picture of a scale. It tells us that the scales are balanced. Each small block has the same mass. When a scale is balanced, it means that both sides are balanced and weigh the same. We can talk about what we notice and what we can find out. We know there are five small blocks and two big blocks and that the weight of each big block is 15 kg.

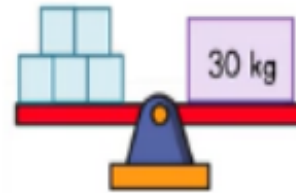
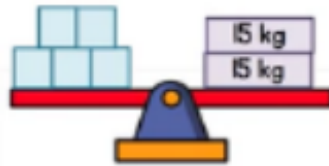
What is the mass of one of the small blocks?

$$15 + 15 = \square$$

$$10 + 10 = 20$$

$$5 + 5 = 10$$

$$20 + 10 = 30$$



We know that the mass of the five small blocks is 30 kg

They want us to find the mass of one small block.

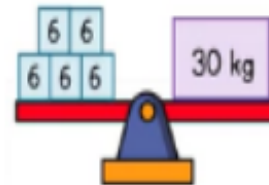
There are five small blocks, they have the same mass as 30kg.

If we counted by 5s how many 5s do we need to get to 30?

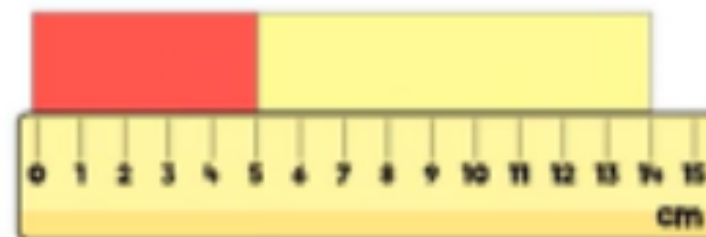
5, 10, 15, 20, 25, 30 it took us 6 times.

30 divided by **5** is **6**

so the mass of one block is



Two strips of paper are placed end to end.



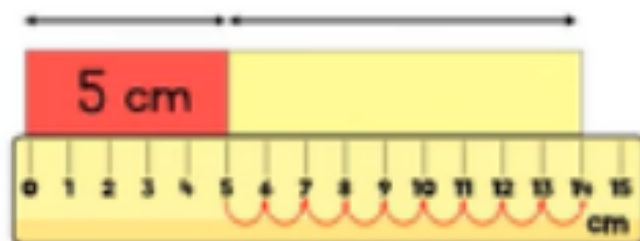
What could we find out?

We can find out how long is the red strip of paper?

We can also find out how long is the yellow strip of paper.

We can also see how long both strips of paper are.

How much longer is the yellow strip than the red strip?

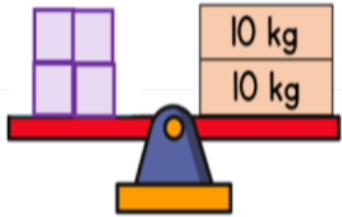



The yellow strip is 9 cm long.

$$9 - 5 = 4$$

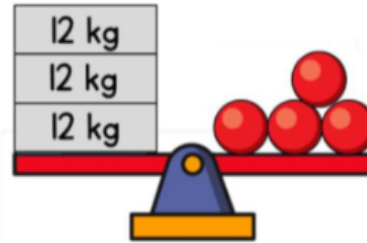
The yellow strip is cm longer than the red strip.


1 The scales are balanced.



Each  block has the same mass.
What is the mass of one of the blocks?

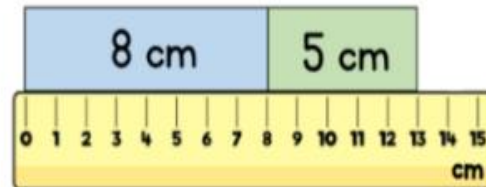
2 The scales are balanced.



Each  sphere has the same mass.
What is the mass of one of the spheres?

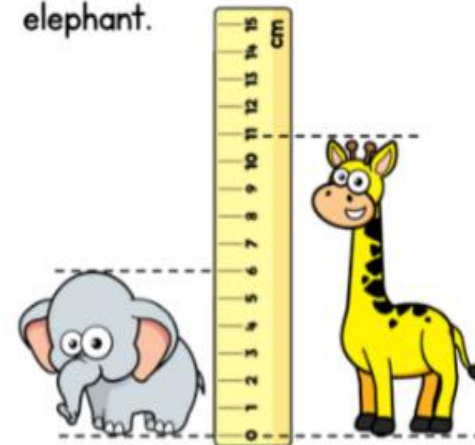
Try and do all 4 questions

3 Two strips of paper are placed end to end.



How much longer is the blue strip than the green strip?

4 Here is a toy giraffe and a toy elephant.



How much shorter is the elephant than the giraffe?