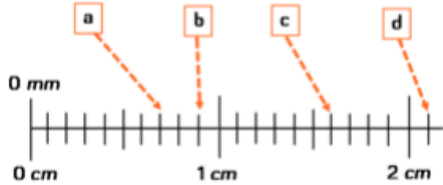## Length

Draw 10 different lines, with a ruler, onto a piece of paper. Using your ruler, measure the lines in **cm** and **mm.**

Complete this number line, fill in the blanks:

a = ____ cm ____ mm
b = ____ cm ____ mm
c = ____ cm ____ mm
d = ____ cm ____ mm

Mass

Convert these measurements from either **g** into **kg** or **kg** into **g**:

1. 2kg
2. 4kg
3. 7kg
4. 9kg
5. 4.5kg
6. 1.3kg
7. 2.8kg
8. 1000g
9. 5000g
10. 3000g
11. 8000g
12. 6500g
13. 7800g
14. 4200g
15. 3500g

CHALLENGE: Use your own scales to weigh different objects in your house. Write the weight in both g and kg. Order your objects from lightest to heaviest.
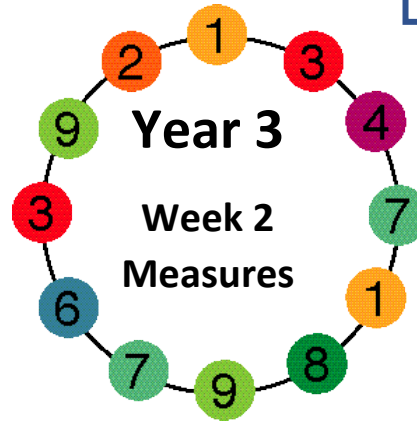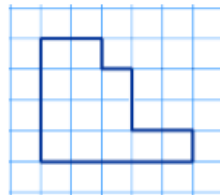
Perimeter

Imagine that each of these squares measure 1cm

Work out the perimeter of the shape.
Can you draw a different shape with :
a) the same perimeter
b) a perimeter which is 5cm longer
c) a perimeter which is double/half the length of this one.

Year 3

Week 2

Measures

Adding Mass

Jenny uses the base ten and place value chart to add 3 kg and 400 g and 2 kg and 300 g.

Use the same approach to calculate:
- 3 kg and 450 g + 4 kg and 200 g = _____
- 4 kg and 105 g + 2 kg and 300 g = _____
- 4 kg and 400 g − 2 kg and 100 g = _____
- 8 kg and 600 g − 1 kg and 550 g = _____

Problem Solving

Olivia travelled 250 m to the bakery, then went to a concert 75 m away and finally travelled back home the exact same way that she came.
What was the total distance she travelled?

Megan has a 3 m roll of ribbon.

She is cutting it up into 50 cm lengths.

How many lengths can she cut?
Convince me.

When playing the games please focus on the measuring length, mass and capacity games:

https://www.topmarks.co.uk/maths-games/7-11-years/measures

https://www.funbrain.com/games/measure-it