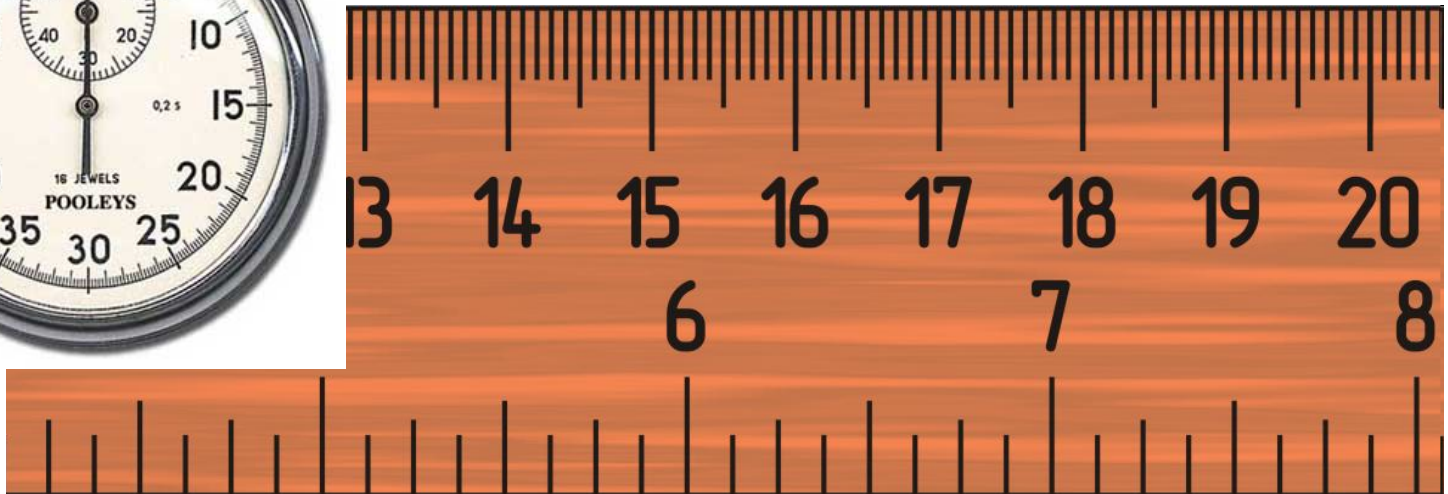


# Measurements

Metric and Imperial



# Four types of measurement...

- Length
- Time
- Capacity
- Weight

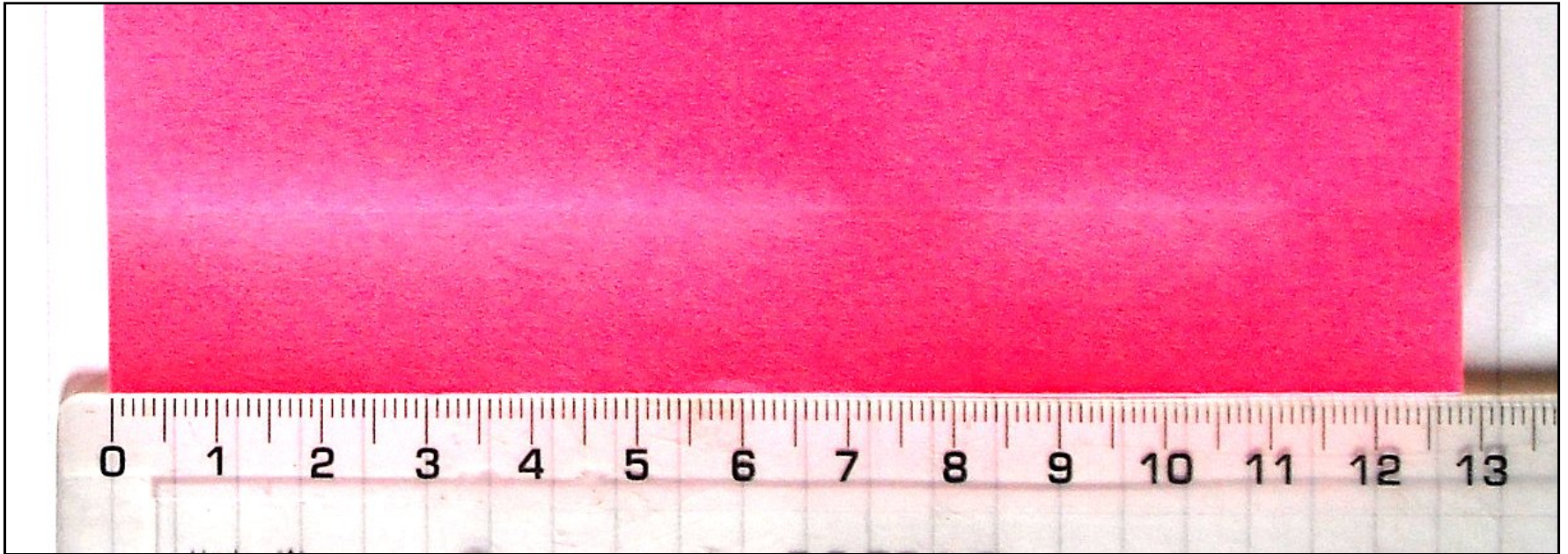
# Four types of measurement...

- Length (can lead to area with a calculation)
- Time
- Capacity
- Weight

# Four types of measurement...

- Length (can lead to area with a calculation)
- Time
- Capacity (very similar to volume)
- Weight

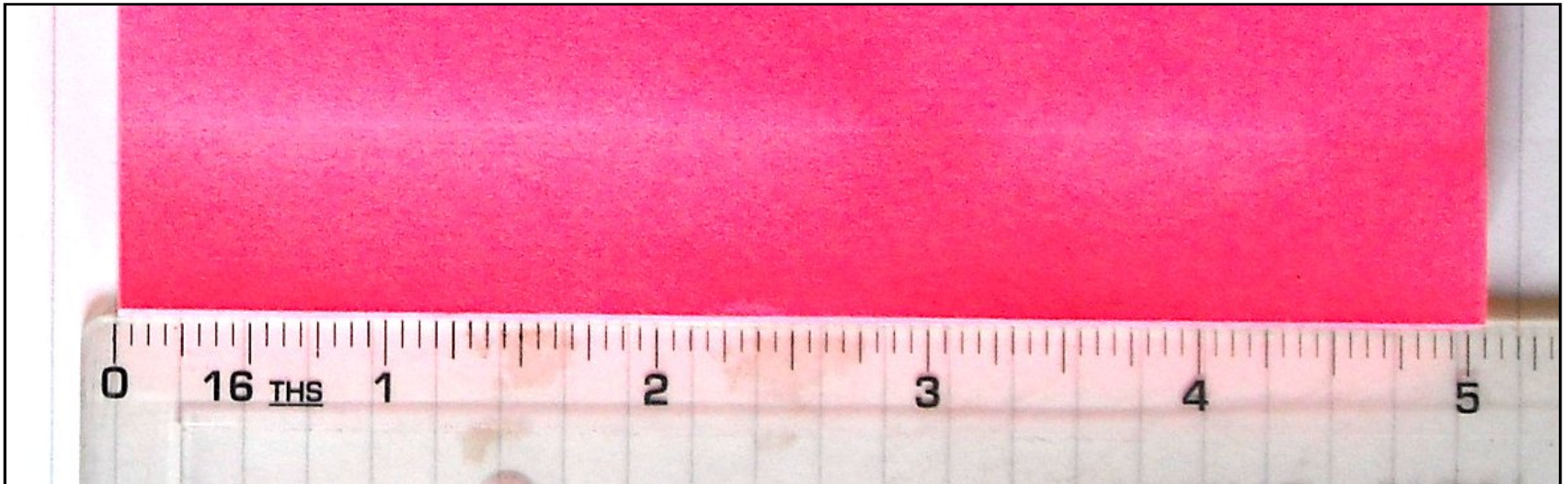
# Measuring length



How many centimetres long is the pink paper?



# Measuring length



How many *inches* long is the pink paper?

# Units of measurement

- When you put the paper by the side of the ruler, you are counting how many centimetres (and decimal parts of a centimetre) you need to equal the length of the paper
- The unit of length that you are using is the centimetre
- You could use millimetres (or inches) instead



# Measuring weight

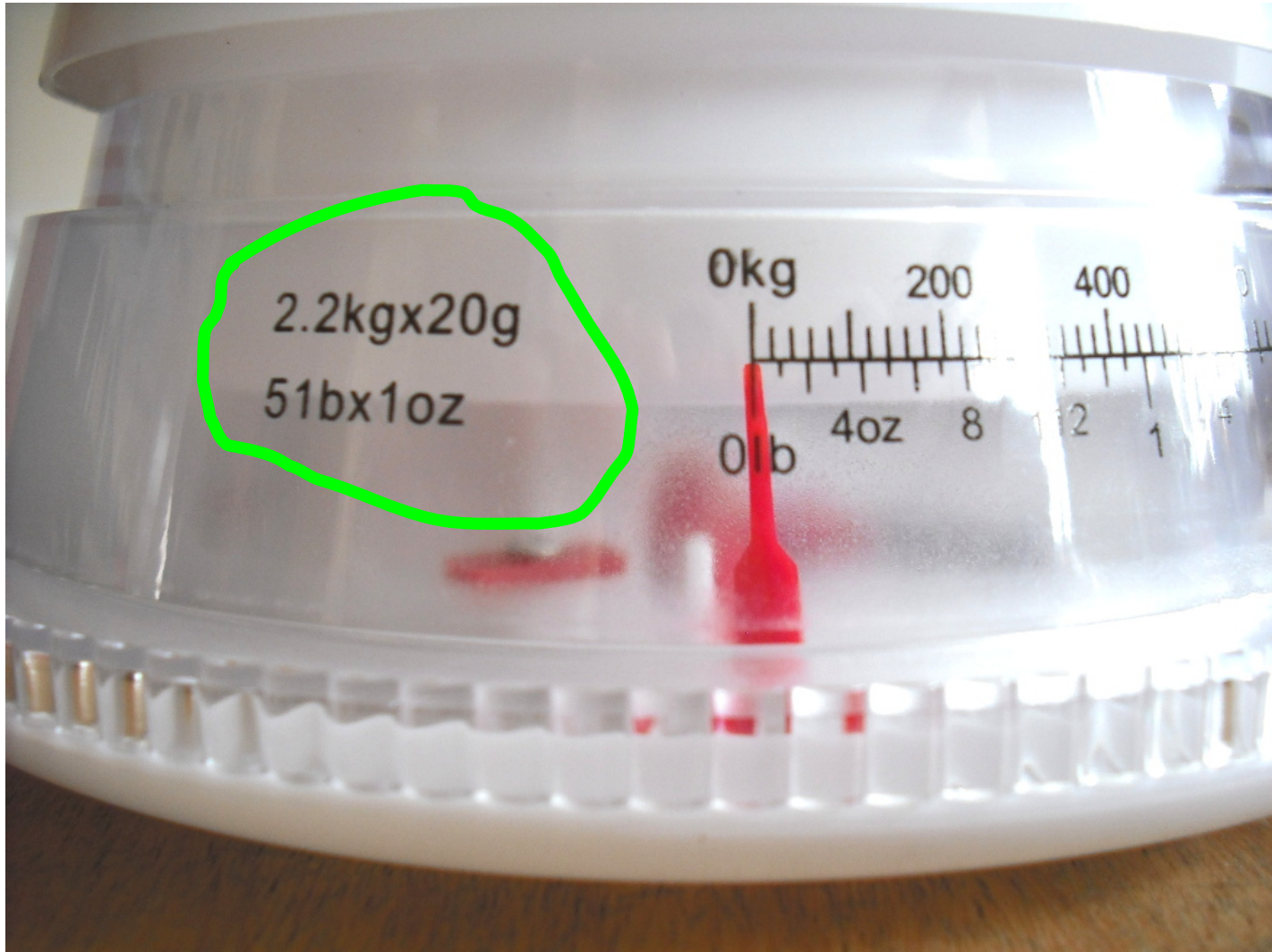


# Measuring weight





# Measuring weight



# Measuring weight

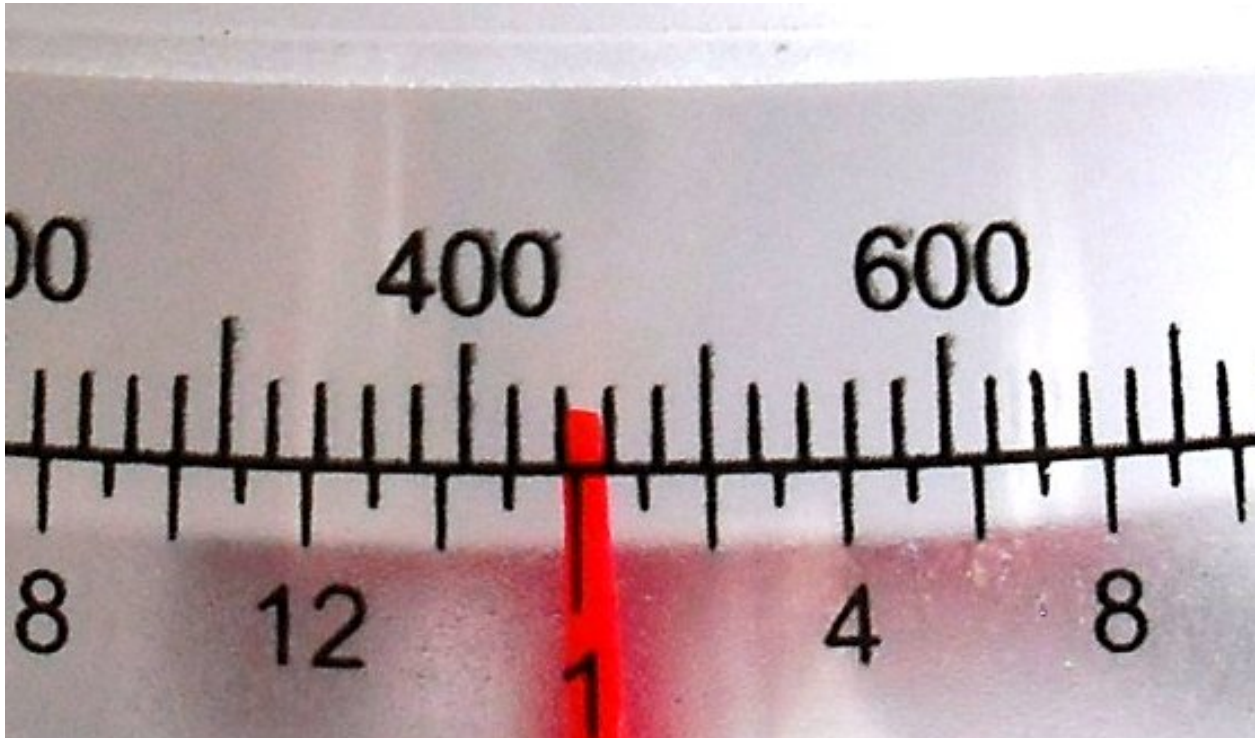


# Measuring weight



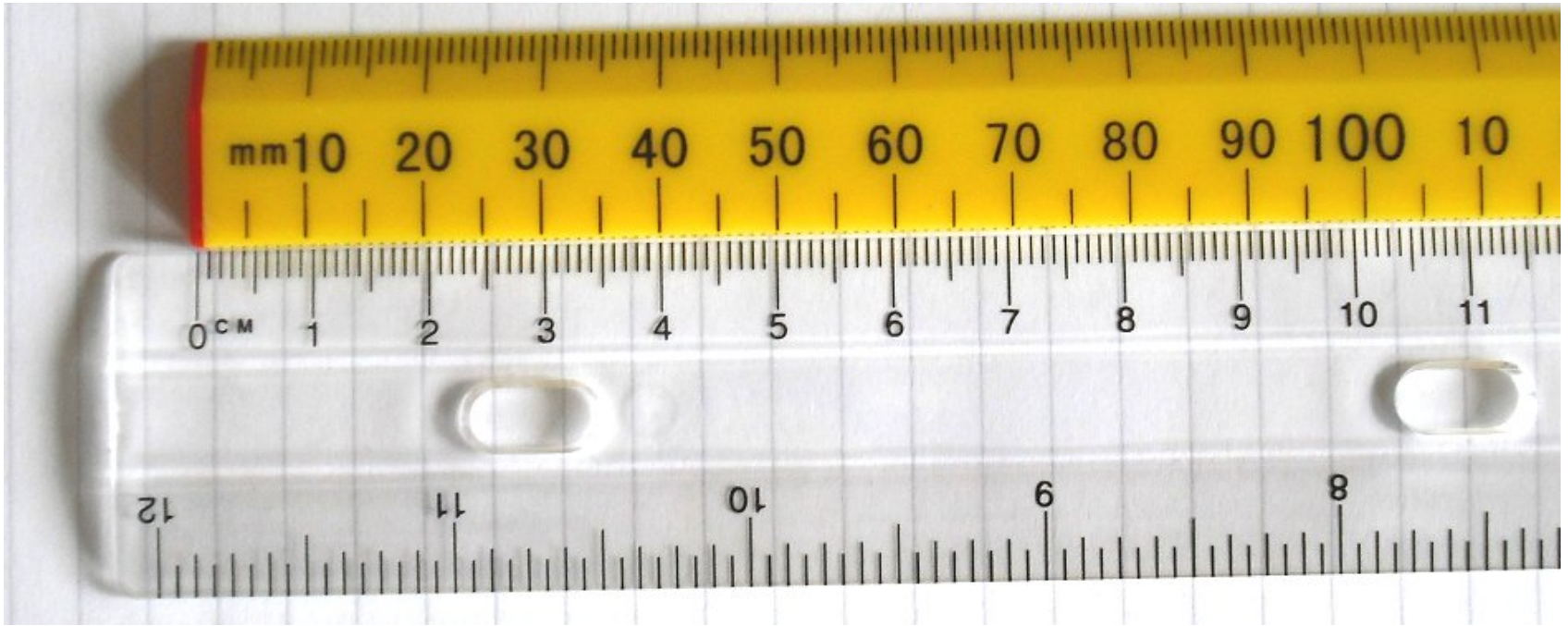


# Measuring weight



**Supposed to be 500g bag  
Is it my scales or is the bag  
really 1lb?**

# Converting (metric)



**Camera lens over the 50/5 marks. Rulers lined up. How many mm in a cm?**



# Metric length

- **10mm = 1 cm**
- **100cm = 1m**
- **1000 m = 1 Km**
- **milli means one thousandth**
- **centi means one hundredth**
- **Kilo means one thousand**

# Metric length

1. How many centimetres in 2 metres?
2. How many millimetres in 10 centimetres?
3. How many metres in 3 kilometres?
4. How many millimetres in 25 centimetres?
5. How many centimetres in 150mm?
6. How many centimetres in half a metre?
7. How many metres in half a kilometre?

# Imperial length

- **12 inches in a foot**
- **3 feet in a yard**
- **220 yards in a furlong**
- **8 furlongs in a mile!**

**These funny multiples were practical when you had to halve things, and divide them up by halving and quartering.**

**A Saxon field was 220 yards by 22 yards wide, one Acre.**

# Your turn

- Work in four groups
- Use the yardsticks, the steel tape measures and the 30 cm rulers to complete the length activities on the worksheet
- Take it in turns to do the weight activity using the scales

# Safety



**Don't have your fingers near the edge of the tape when you are winding it back in!**