

# length measurement

## m

### metre



All nations on Earth have agreed to measure things using the International System of Units (SI).  
**The metre** in this system is used to measure length, width and height.

A typical three-year-old child is approximately **1 metre** tall.  
The distance from the Earth's North Pole to the equator is almost exactly 10 million metres.

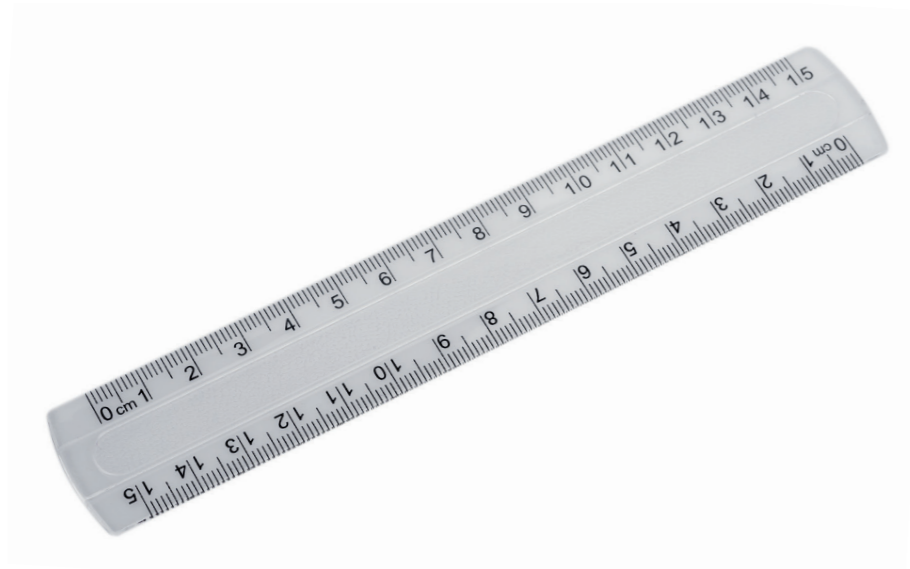


## Other length units

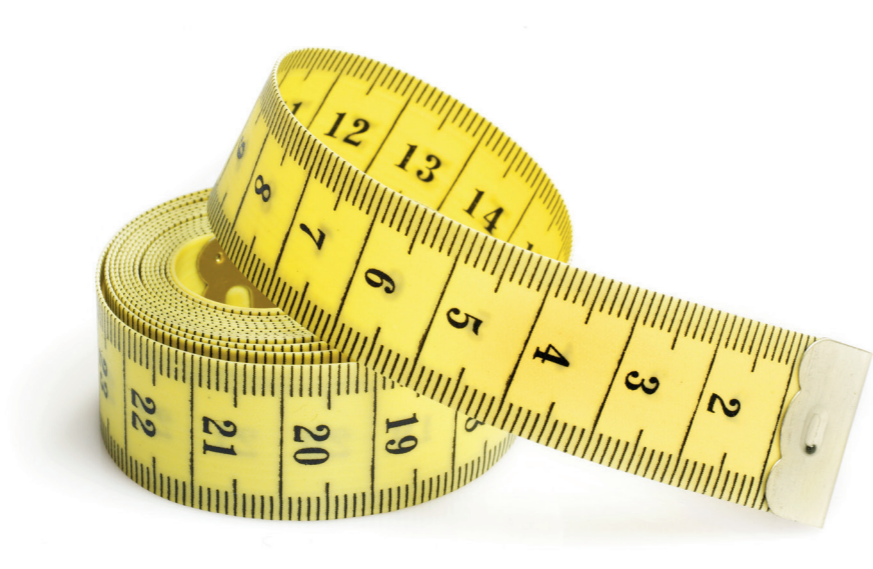
	<b>1 000 millimetres = 1 metre</b>	<b>100 centimetres = 1 metre</b>	<b>1 000 metres = 1 kilometre</b>
also written	<b>1 000 mm = 1 m</b>	<b>100 cm = 1 m</b>	<b>1 000 m = 1 km</b>

## How do we measure length?

We can use rulers, tape measures, trundle wheels and lasers.



Ruler



Tape measure



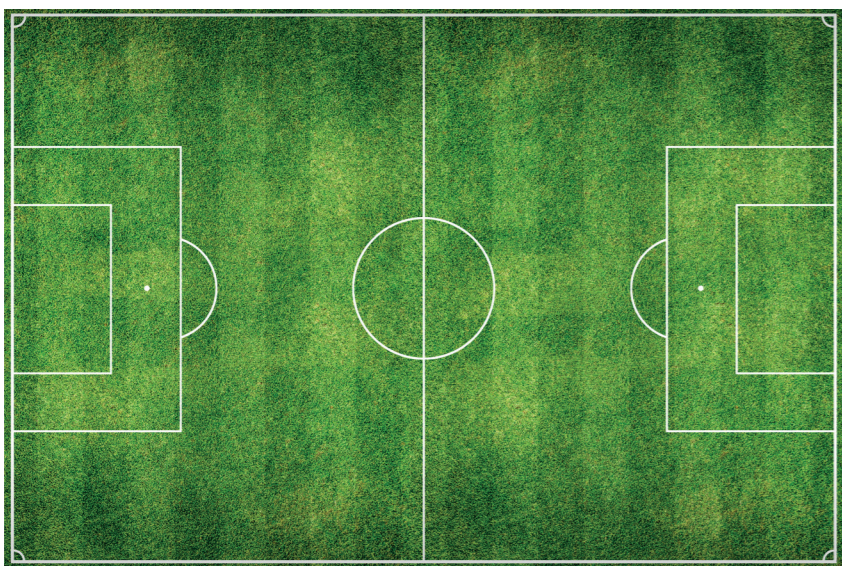
Trundle wheel



Laser distance measurer

## Challenge 1:

Which of the above devices would you use to measure the items below?



Football pitch length



Book width



Person's height



Earth to Moon distance

## Challenge 2:

Find something in this room that is closest to 1 m in length, width or height.

## Did you know?

The distance between Earth and Moon (about 384 400 km) is increasing by about 4 cm every year.