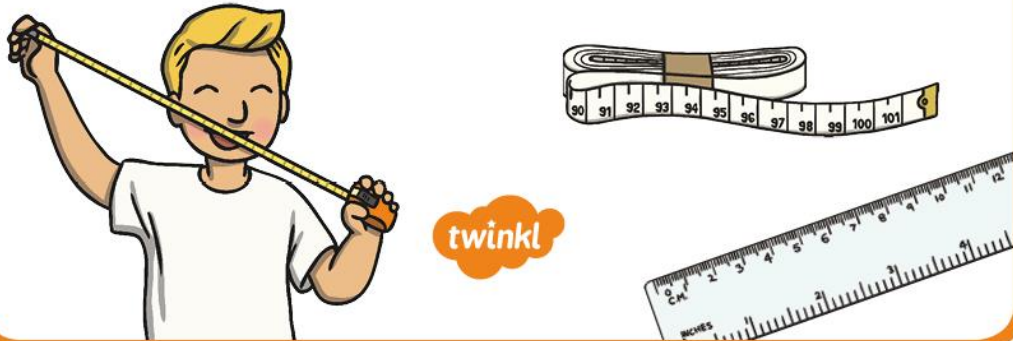
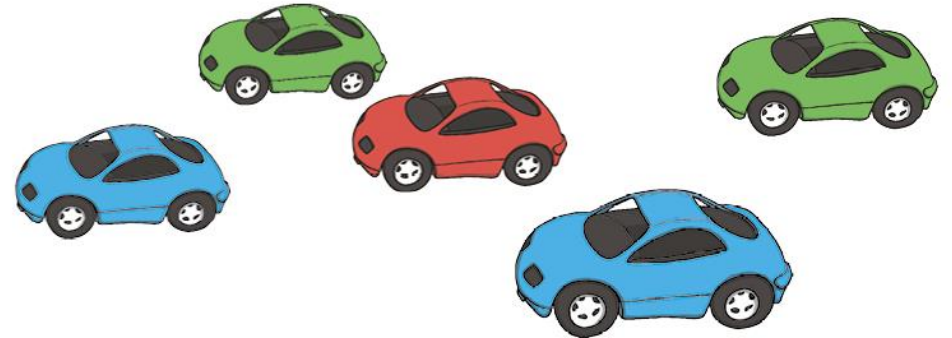


Measuring Length

Challenge Cards



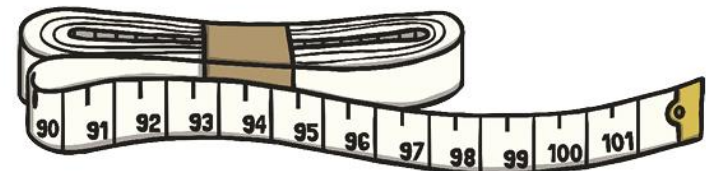
Can you find 5 objects (e.g. toy cars) and order them according to size?



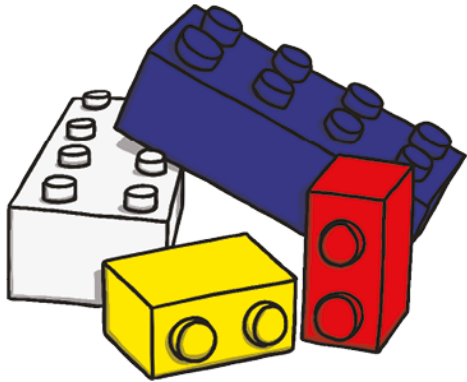
How long is a stick of spaghetti? Is it the same length after it has been cooked?



Measure how tall you are and mark your height with masking tape on the floor. Place objects side by side next to your height. Can you find a combination of objects that measures the same length as your height?



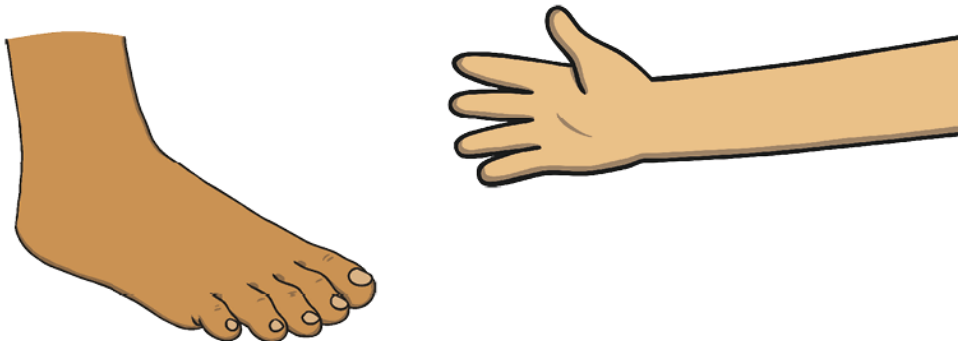
How many building bricks tall are you?



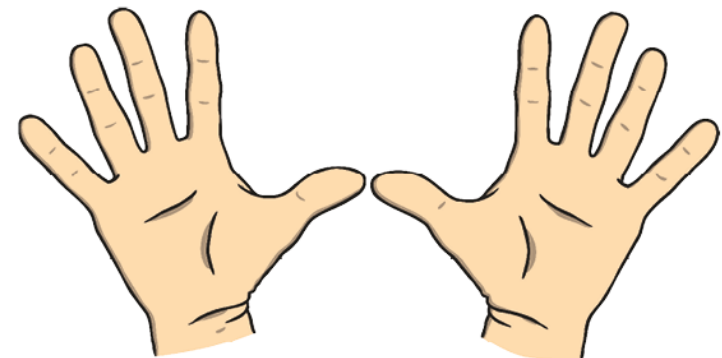
Measure your height. Then, with someone's help, measure the distance from fingertip to fingertip when you stretch your arms wide. Compare the distance – do you notice anything?



Measure the length of your foot. Then measure the distance between your wrist and your elbow. Compare the two distances.



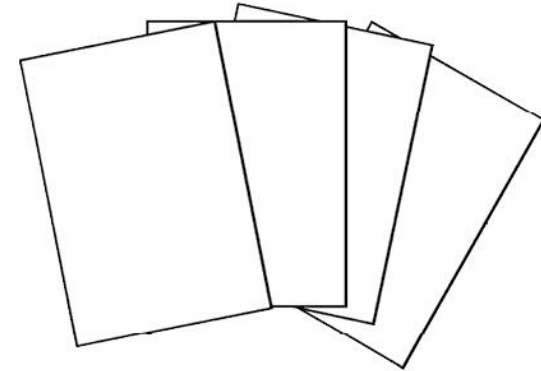
Who has the longest finger?
Can you find out?



Are all the pieces of spaghetti the same length?
Are they the same length as spaghetti in other packets?



Take an A4 piece of paper and measure it. What are the dimensions? Can you invent a new paper size?



How many steps does it take you to reach the door?
How about to the doorway of another room?



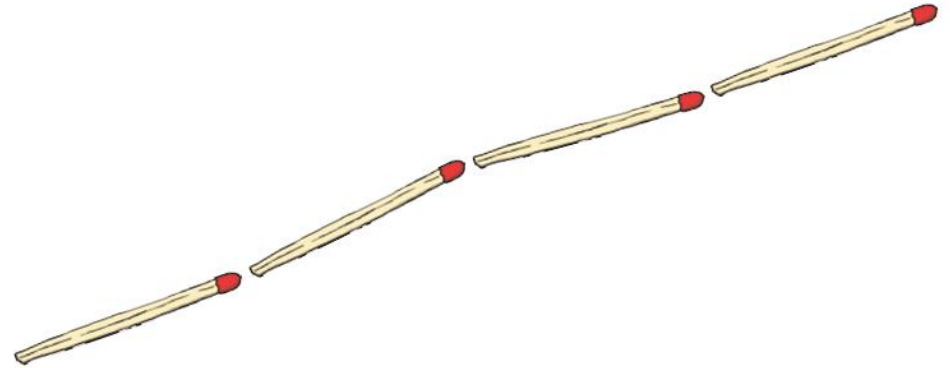
How long is a £5 note?



Measure some shoes. Make a table comparing shoe size to length of shoe. Can predict how long bigger shoes would be?



Can you invent a unit to measure things with? E.g. the door is 16 matchsticks wide.



How long is a strand of your hair? Place your hair near the first millimetre mark on the ruler. How wide do you think it is? If you have a microscope, look through that.



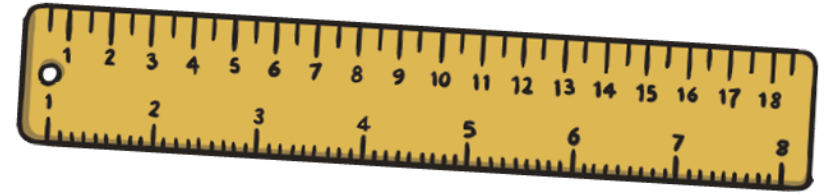
How far does the toy car travel if you roll it down a slope? Which one goes the furthest?



Take a ball of string and cut off a piece as close to a metre as you can estimate. Ask someone else to do the same. Who was the closest? Repeat with other measurements.



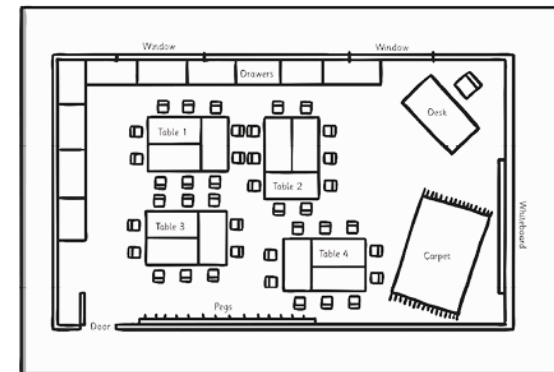
How many things can you find which measure exactly 15 cm?



What is the longest pencil line you can draw on a piece of paper?



Can you measure the dimensions of a room and draw a plan?



Measuring Length

Can you make your own ruler?

