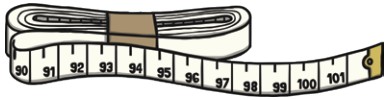
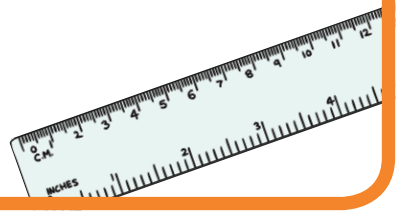
Measuring Length

Challenge Cards

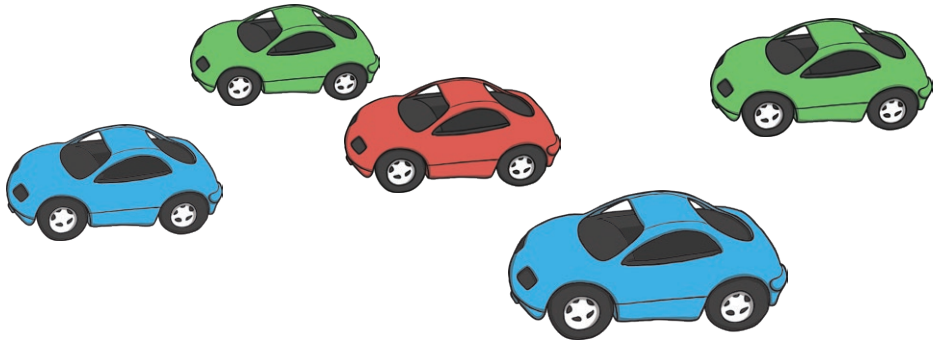






Measuring Length

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



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Measuring Length

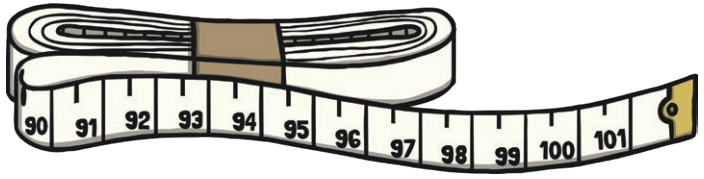
How long is a stick of spaghetti? Is it the same length after it has been cooked?



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Measuring Length

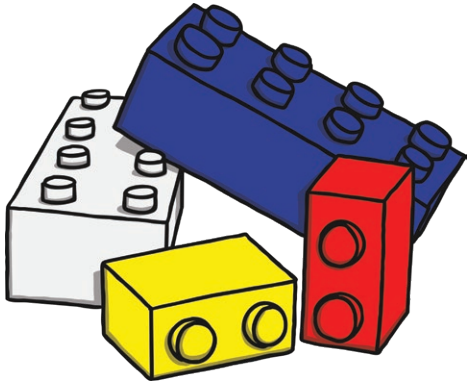
Measure how tall you are and mark your height with masking tape on the floor. Place objects side by side next to your height. Can you find a combination of objects that measures the same length as your height?



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Measuring Length

How many building bricks tall are you?



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Measuring Length

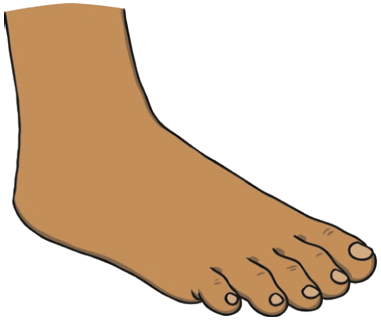
Measure your height. Then, with someone's help, measure the distance from fingertip to fingertip when you stretch your arms wide. Compare the distances - do you notice anything?

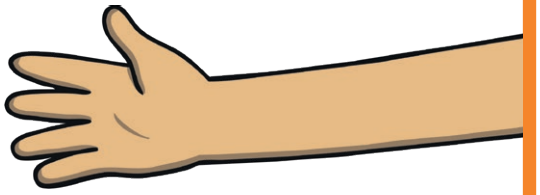


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Measuring Length

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

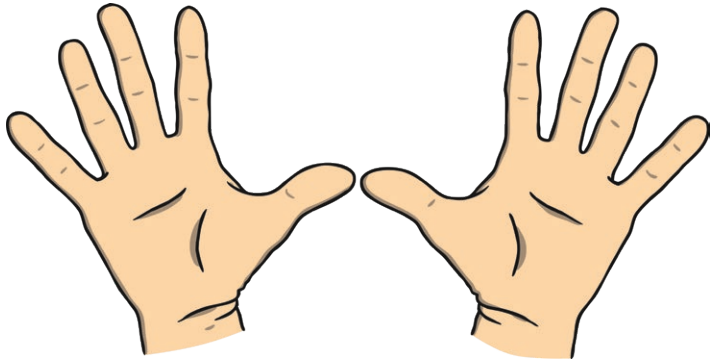




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Measuring Length

Who has the longest finger?
Can you find out?



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Measuring Length

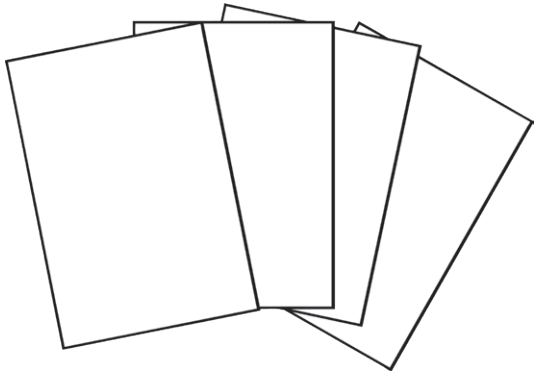
Are all the pieces of spaghetti the same length? Are they the same length as spaghetti in other packets?



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Measuring Length

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



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Measuring Length

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



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Measuring Length

How long is a £5 note? Are all notes the same size?



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Measuring Length

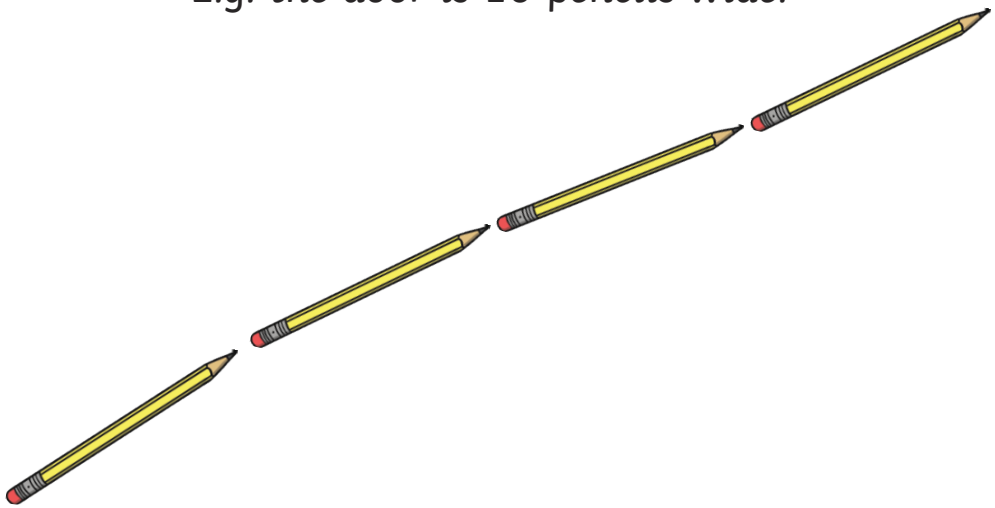
Measure some shoes. Make a table comparing shoe size to length of shoe. Can you predict how long bigger shoes would be?



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Measuring Length

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



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Measuring Length

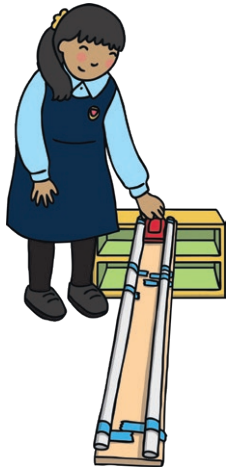
How long is a strand of your hair? Place your hair near the first millimetre mark on the ruler. How wide do you think it is? If you have a microscope, look through that.



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Measuring Length

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



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Measuring Length

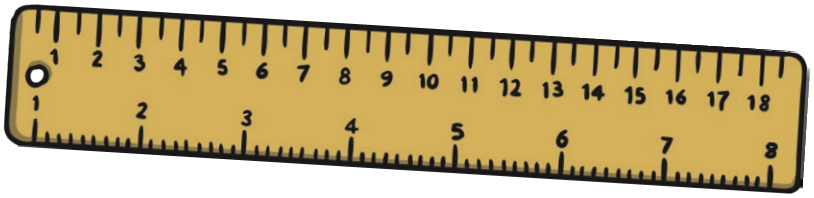
Take a ball of string and cut off a piece as close to a metre as you can estimate. Ask someone else to do the same. Who was the closest? Repeat with other measurements.



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Measuring Length

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



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Measuring Length

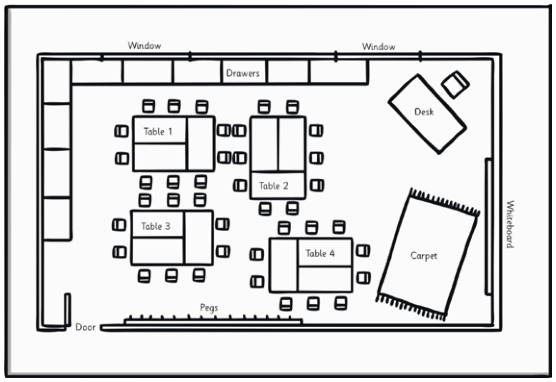
What is the longest pencil line you can draw on a piece of paper?



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Measuring Length

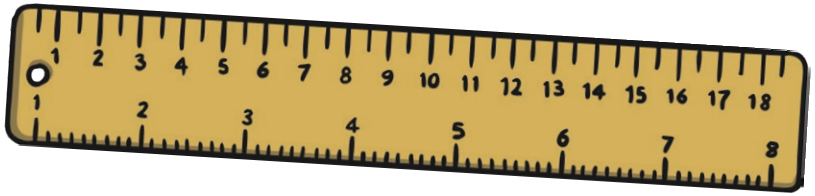
Can you measure the dimensions of a room and draw a plan?



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Measuring Length

Can you make your own ruler?



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