

Indoor Maths Challenges for KS1 children

How many challenges can you complete? Tick them off as you go.

Measure objects in your home using your hands or an object (e.g. - a book or a tin) How long is the sofa? Which is taller: the fridge or the washing machine? Investigate other objects. What have you found out?	Read a picture book on your own or with an adult. What maths can you find in the book? 	Write directions from your bedroom to the front door using positional language (e.g. – walk forward 6 steps and do a half turn clockwise....). Ask a family member to try out your instructions. Do they work? Try other routes around your home.	Write or draw a timetable for your day. Record the time from the clock next to each activity. 	Make up a secret code with a key (e.g. – A = 1, B = 2 etc. or draw a symbol for each letter). Write a message for a family member or to send to a friend. Don't forget to give them a copy of the key!
Use Lego/Duplo bricks, building blocks or empty boxes etc. Build the tallest tower possible. Measure your tower using your hands or a ruler/measuring tape. Can you build a tower as tall as you or even taller?	Use an unopened package of food which has a label telling you how much it weighs. Using your package to help you with your estimates, try to find as many items as you can which weigh more, less or the same. Arrange your items in three groups.	Help an adult to do some baking. Measure the ingredients carefully and enjoy the results!  	Use a measuring jug to measure exactly 500ml of water. Practise finding other volumes. 	Use a piece of rope, string or ribbon. What 2D shapes can you make on the floor? Draw or photograph each shape you make.     

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Design some 'minute challenges' and try them out. Can you beat your score? Here are some ideas to get you started. Set a timer to measure a minute and record your scores: How many star jumps can you do? How many words can you read? How many words can you write? 	Keep a weather diary. Design a key and use symbols to record the weather each morning and afternoon. 	Go on a 2D shape hunt around your home. You could record your findings on a tally chart or draw or photograph each shape. Which is the most common shape? 	Measure the longest part (length) of each room in your house by counting your steps from one end to the other and record your findings. Which is the largest room? Which is the smallest? 	Draw a plan of your home from above. If there is more than one floor, draw these separately. Use symbols to show where objects are and record these on a key. 
Go on a 3D shape hunt around your home. You could record your findings on a tally chart or draw or photograph each shape. Which is the most common shape? 	Look around your kitchen. What maths can you see? Draw or photograph each item you spot. Now try other rooms. Which room contains the most maths?	Make up your own game using playing cards, dominoes or dice. Teach a family member how to play. 	Go on a number hunt around your home. Record each number you spot. What is the highest number you have found? What is the lowest?	Find as many ways as you can to make a number of your choice with objects and on paper. 