

## Resources and Questions to Aid Children's Maths Learning

*Ideas of resources and questions to help aid learning in different areas of Maths. These are a starting guide and could be built on to offer more opportunities.*

Topic	Resources	Questions
<b>Time</b>	Analogue and digital clocks Timetables/TV guides	Where would the minute hand point for an o'clock time? What about for half past? Extension: How about quarter past or quarter to? Estimate how long it will take you to do 10 star jumps? Use a stopwatch to time yourself and compare it to your estimate. What time do you wake up for school? Show me on an analogue clock. Can you write it as a digital time too? If Peppa Pig starts at 3.30pm and finishes at 4.00pm, how long is it on for? Use the clocks to help you.
<b>Measures</b>	Different size containers Measuring jugs Rulers Tape measures Weighing scales Rice Water	Which bottle holds the most amount of liquid? Which one holds the least? Can you place them in order from smallest to largest? Without weighing them, order these objects from lightest to heaviest. Now use the scales to weigh them. Do you need to change your order? Which container would hold the most rice? Make a guess. Now use rice to reveal the truth! How will you do it? Who has the largest head? Use the equipment to find out.
<b>Shape</b>	Range of objects and containers which include or are particular shapes Bags with shapes in Straws	Can you name all the 2D shapes? What about the 3D shapes? Draw three 2D shapes anywhere on a piece of paper without your partner seeing. Explain where they are to your partner and

	Blu Tack	ask them to draw the shapes in exactly the same place on their piece of paper. Can you use straws to make a 2D shape? Can you use straws and Blu Tack to make a 3D shape?
<b>Money</b>	Coins and notes (real or plastic) A range of items with price tags Toy till	Choose an item from our shop. Choose the correct money to pay the shopkeeper with? Choose an item from our shop. If you pay with £1, how much change will you get? How many different ways can you find to make 86p? Order these coins from the smallest value to the largest value?
<b>Number</b>	Items/objects to count Dice Dominoes Hundred squares Number cards Hanger with pegs on Marbles Jars or containers	Use the pegs on the hanger to work out as many number bonds to 10 as you can. Look at our hundred square. Which numbers are missing? Roll 2 dice. What is the total of the 2 numbers? What is the difference between the 2 numbers? How many marbles can you fit into the jar?
<b>Fractions</b>	Pizza and cake (real or pictures) Cubes/counters/marbles/lots of the same object Paper	How many people could eat each pizza? What fraction is each pizza split into? What is half of 16? Use the objects to help you. What is a quarter of 16? Fold a piece of paper in half. Now fold it into quarters. Colour one of the quarters. If I eat half of the cake, how much is left? If I eat a quarter of the cake, how much is left?