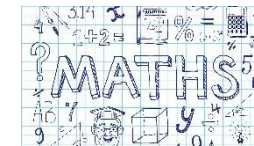


# Numeracy Grid



<p>Research a mathematical pattern or sequence e.g. Fibonacci, Pascal etc. and create a piece of artwork to represent this.</p>	<p>Create 10 worded problem-solving questions for your parents or siblings to solve. Try to catch them out! If it's too easy, make the questions harder!</p>	<p>Find five 2D and 3D objects in your home or garden and calculate the perimeter and area of each. Find two different objects and calculate the volume.</p>	<p>Create twenty mixed mental maths questions for a family member to answer. Can they finish them in a certain time limit? Can someone else beat their time?</p>
<p>Make your own board game using the four operations (add, subtract, multiply, and divide). Challenge - can you include other concepts learned in class? E.g. time, shape, data handling.</p>	<p>Create a survey and gather data about the perfect night in for your family and friends. Consider entertainment, dinner, snacks and drinks. Present this data in a graph or chart of your choosing.</p>	<p>Plan a trip from Glasgow to a destination of your choice. Research the travel methods and make an itinerary of your plans. Budget how much the trip will cost altogether.</p>	<p>Play games on these websites:</p> <ul style="list-style-type: none"> <li>• <a href="https://www.mathsisfun.com/games/mathionaire-general-math-quiz.html">https://www.mathsisfun.com/games/mathionaire-general-math-quiz.html</a></li> <li>• <a href="https://flashmaths.co.uk/">https://flashmaths.co.uk/</a></li> <li>• <a href="https://www.educationcity.com/">https://www.educationcity.com/</a></li> </ul>
<p>Conduct research into a particular mathematical concept that interests you. Learn a new skill and create a PowerPoint to display your knowledge on this.</p>	<p>Create a scale drawing of your dream theme park. Choose an appropriate scale and label all measurements.</p>	<p>Create a maths escape room using a range of problems and play it with your family. (Remember we already did this at the start of P7). Make it fun/challenging!</p>	<p>Follow a recipe, weighing each ingredient carefully using scales. Add the cooking time to the current time to work out when it will be ready. Share with your family. Bon appétit!</p>
<p>Measure the height of everyone in your family. Convert your measurements to 2 alternatives e.g. metres, centimetres, millimetres. Put your family in order from shortest to tallest. Draw a picture of your family in height order adding labels to tell us their height in all the different scales.</p>	<p>Get two bowls and 10 objects in a variety of colours. Divide the objects equally between two bowls and work out all the possible colour combinations you can have when choosing one item from each bowl. Record your answer and work out the combination as a fraction.</p>	<p>Write definitions for these terms:</p> <ul style="list-style-type: none"> <li>• Circumference             <ul style="list-style-type: none"> <li>• Radius</li> <li>• Diameter</li> <li>• Product</li> <li>• Integers</li> </ul> </li> <li>• Significant figures             <ul style="list-style-type: none"> <li>• Polygon</li> <li>• Prime number</li> <li>• Parallel</li> <li>• Factor</li> </ul> </li> </ul>	<p>Design a net for a shape that will be the package for a new product. The new product is a type of sauce to be used when cooking. It comes in the shape of a tin but, for its launch, you have been asked to design a new box that the tin will fit into. Make sure the net of the shape has a clear outline so that it can be copied and manufactured. You could create the new logo, name and design of the sauce product as well.</p>