

# YEAR 5/6 Maths Home Learning Grid 1

These activities are all optional and intended to cater for many circumstances and tastes.

Please make the most of this month's free access to endless resources at : [www.twinkl.co.uk](http://www.twinkl.co.uk)

<p><b><u>ROLL AND ADD</u></b></p> <p>Roll a dice three times to create a three-digit number. Then roll a dice twice to make a two-digit number. Multiply the numbers together. Play with a partner. After five goes, who has the highest total?</p> 	<p><b><u>PLAYING CARDS</u></b></p> <p>Using a pack of playing cards. Split the pack in half. Turn a card over each. Multiply the numbers together. The quickest gets the cards. The winner is the one with the most cards at the end.</p> 	<p><b><u>COORDINATES</u></b></p> <p>Draw a treasure map on a sheet of squared paper and using coordinates make a hidden treasure game. Remember to put the x axis coordinate first then the y axis coordinate (4,6).</p> <p>Challenge – can you do this in all four quadrants – that is using positive and negative numbers (e.g. (-2, -2), (3,-4)?</p>	<p><b><u>ANGLES</u></b></p> <p>Practise using a protractor to measure angles. Draw the following types of angle and label their measurement in degrees: Right Angle, Acute Angle, Obtuse Angle, Reflex Angle. Challenge yourself to find the missing angles in the pack provided.</p>
<p><b><u>WHAT'S THE PROBLEM?</u></b> <b><u>(x and ÷)</u></b></p> <p>Working with a partner- write down worded maths problems/stories for each other to solve- using multiplication and division. Can the problems have more than one –step? Email them to me to solve – I like a challenge.</p>	<p><b><u>PLACE VALUE</u></b></p> <p>Write a whole number with 7 digits and 3 decimal places. (e.g. 1,234,567.891) Using column headings, determine the value of each. Explain this to an adult. Set them the challenge to do likewise.</p> <p>Have a go at the Twinkl Place Value Packs</p>	<p><b><u>NEGATIVE NUMBERS</u></b></p> <p>Research the highest and lowest temperatures in at least 7 countries currently. How many can you find that have temperatures below zero at least overnight? Calculate the differences between them.</p> <p>Challenge – have a go at the money board game included in your packs.</p>	<p><b><u>VIRTUAL TRAVEL (+)</u></b></p> <p>Using a travel brochure or online site, Design your perfect holiday. Calculate the cost of transport, accommodation, excursions and activities. Make a list of all the individual costs then add together to find a total.</p>
<p><b><u>WHAT'S A-COOKING?</u></b></p> <p>Using a recipe book. Choose a recipe you like the look of. Can you work out the quantities for different amounts of people using ratio: 2 people, 4 people, 6 people, 10 people, 13 people?</p>	<p><b><u>PERFECT THOSE TABLES and extend</u></b></p> <p>a. use TT Rockstars to perfect your tables knowledge b. from <math>8 \times 7 = 56</math>, what else can you work out? E.g. <math>8 \times 0.7 = 5.6</math> <math>80 \times 7 = 560</math> Create a spider diagram from all you can calculate. How many can you come up with?</p>	<p><b><u>TIMES AND DIVIDE BY 10,100,1000</u></b></p> <p>Ask everybody in your family to tell you their favourite number. Then times and divide each one of their favourites by 10,100, 1000. Remember those jumps.</p> <p>Challenge – have a go at the crossword in the pack</p>	<p><b><u>ABSOLUTE CHALLENGE</u></b></p> <p>Complete 3 problems linked to key topics from this extremely challenging pack. Maths Reasoning White Rose pack</p>