
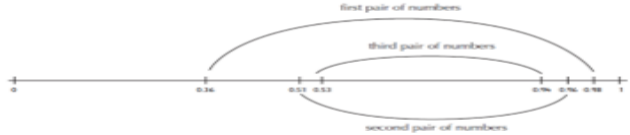


Maths Homework Grid (Y6)

Practise your tables, play a maths game and choose one other thing to work on each day. Watch the video link for each one and then have a go yourself!

<p><u>Times Tables</u> Spend at least 15 minutes a day practising your times tables https://trockstars.com/ https://www.topmarks.co.uk/maths-games/hit-the-button https://www.timestables.co.uk/</p>	<p><u>Maths Games</u> Choose a maths game to play each day. Have a go at inventing your own maths game. https://matr.org/blog/fun-maths-games-activities-for-kids/ Link to maths games videos: https://www.youtube.com/watch?v=foj6ujoT_HU&list=PLWIJ2KbiNEyoBDc5yLJ4PaiaY3o5E5xCB</p>
<p><u>Column Subtraction</u> Roll a dice to create a 5-digit subtract a 5-digit addition question. Work out the calculation. Repeat 6 times. Can you use the digits 1-9 to create a 5digit subtract a 5-digit addition question that will give you an answer nearest to 10 000? You can use the digits more than once. How close can you get if you can only use each digit once?</p>	<p><u>Column Addition</u> Roll a dice to create a 5-digit add a 5digit addition question. Work out the calculation. Repeat 6 times. Can you use the digits 1-9 to create a 5digit add a 5-digit addition question that will give you an answer nearest to 10000? You can use the digits more than once. How close can you get if you can only use each digit once?</p>
<p><u>Shape</u> Draw a rectangle and divide it into quarters diagonally. Cut the shape up into 4 triangles. Rearrange the triangles to make other shapes. How many different shapes can you make? Can you classify them? Can you describe them?  https://www.topmarks.co.uk/maths-games/7-11-years/shape-position-and-movement</p>	<p><u>nRich investigation</u> Download Factors and Multiples puzzle from nRich https://nrich.maths.org/factorpuzzle Can you solve the problem?</p>
<p><u>Area</u> Can you work out the area of each downstairs room in your house? Do you think the area of upstairs will be the same as downstairs? Now choose one room. Can you work out the cost to redecorate the room? How much carpet will you need?</p>	<p><u>Multiplication</u> Roll a dice to create a 4-digit number multiplied by 2-digit multiplication question. Work out the calculation. Repeat 6 times. Can you use the digits 1-9 to create a four-digit multiplied by a 2-digit question that will give you an answer nearest to 10 000? You can use the digits more than once. How close can you get if you can only use each digit once?</p>

<p>What size curtains will you need?</p> <p>How much paint will you need?</p> <p>https://www.splashlearn.com/area-and-perimeter-games</p>	
<p>Percentage</p> <p>Download a 100 square. https://www.twinkl.co.uk/resource/T-N-016-100-Square</p> <p>What percentage of numbers are even? What percentages of numbers are both multiples of 3 and 6? What percentage of numbers are prime numbers? What percentage of numbers are factors of 72?</p> <p>Create your own number fact and work out the percentage? Can you create a number fact that is 25% of the 100 squares? Can you create a number fact that is 10% of the 100 squares?</p> <p>https://www.bbc.co.uk/bitesize/topics/znjqtfr</p>	<p>Fractions</p> <p>Download a 100 square. https://www.twinkl.co.uk/resource/T-N-016-100-Square</p> <p>Roll a dice to create the denominator of a fraction. Choose a number on the 100 square and find the fraction you made of the number. E.g. if you rolled a 5 and choose 25, you would need to find $\frac{1}{5}$ of 25. If you get it correct, colour the square. Try to get 5 squares in a row. Record your moves in a table. Play with a parent if possible. Can you block each other?</p> <p>https://www.bbc.co.uk/bitesize/topics/zhdwxnb</p>
<p>Money</p> <p>Plan a trip to a city in the UK from your home.</p> <p>Is there more than one option to get there? Are you going to get the train or drive? How much will it cost to get there? How much petrol will you use?</p> <p>Which takes the least amount of time?</p> <p>What will be your accommodation costs?</p> <p>How much will you budget for meals? What will be the price per head be if 4 people came with you?</p>	<p>Decimals</p> <p>Roll the dice four times to get four digits. Arrange the digits to make two decimal numbers to 2 decimal places between 0 and 1.0.</p> <p>Place the numbers on a 0 to 1 number line. These are now your new limits.</p> <p>Now roll the dice four more times and make two more decimal numbers. Try to make your numbers fit between the two limits. If you succeed, these are your new limits.</p> <p>Continue like this until you can't go on. How many times can you fit a new pair of numbers between the previous limits?</p> <p>Sample game</p>  <p>Can you teach your parent how to play this game?</p> <p>https://www.bbc.co.uk/bitesize/topics/zsjqtfr/articles/zsbd7p3</p>