

## Maths Homework Grid (Y5)

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><b><u>Times Tables</u></b> Spend at least 15 minutes a day practising your times tables <a href="https://ttrockstars.com/">https://ttrockstars.com/</a>  <a href="https://www.topmarks.co.uk/maths-games/hit-the-button">https://www.topmarks.co.uk/maths-games/hit-the-button</a>  <a href="https://www.timestables.co.uk/">https://www.timestables.co.uk/</a></p>	<p><b><u>Maths Games</u></b> Choose a maths game to play each day. Have a go at inventing your own maths game. <a href="https://matr.org/blog/fun-maths-games-activities-for-kids/">https://matr.org/blog/fun-maths-games-activities-for-kids/</a>  Link to maths games videos: <a href="https://www.youtube.com/watch?v=foj6ujoT_HU&amp;list=PLWIJ2KbiNEyoBDc5yLJ4PaiaY3o5E5xCB">https://www.youtube.com/watch?v=foj6ujoT_HU&amp;list=PLWIJ2KbiNEyoBDc5yLJ4PaiaY3o5E5xCB</a></p>
<p><b><u>Column Subtraction</u></b> Make your own hundreds, tens and ones counters by drawing on counters you have at home or make some out of paper/card. Practice column subtraction with your thousands, hundreds, tens and ones, then have a go at drawing them out and then practising with just the numbers. Why don't you use a dice to generate your numbers and make some column subtraction questions of your own! Link to video for column subtraction of 2 4-digit numbers: <a href="https://www.youtube.com/watch?v=mqSDo683N_8">https://www.youtube.com/watch?v=mqSDo683N_8</a></p>	<p><b><u>Column Addition</u></b> Make your own thousands, hundreds, tens and ones counters by drawing on counters you have at home or make some out of paper/card. Practice column addition with your thousands, hundreds, tens and ones, then have a go at drawing them out. Once you have done this, practise column addition using just the numbers. Why don't you use a dice to generate your numbers and make some column addition questions of your own! Link to video for column addition of 2 4-digit numbers: <a href="https://www.youtube.com/watch?v=d3STEQnXyos">https://www.youtube.com/watch?v=d3STEQnXyos</a></p>
<p><b><u>Multiplying and dividing by 10, 100 and 1000</u></b> Make your own place value grid and place value slider and try multiplying different numbers by 10 and 100. Can you work out what happens when you have decimal numbers? Link to video on multiplying by 10 and 100: <a href="https://www.youtube.com/watch?v=7Y0zSnhiShc&amp;list=UUob4tkfOSXy6yav9Y54SKIQ&amp;index">https://www.youtube.com/watch?v=7Y0zSnhiShc&amp;list=UUob4tkfOSXy6yav9Y54SKIQ&amp;index</a> Link to video on dividing by 10 and 100: <a href="https://www.youtube.com/watch?v=PPMnbH2M0io&amp;list=UUob4tkfOSXy6yav9Y54SKIQ&amp;index">https://www.youtube.com/watch?v=PPMnbH2M0io&amp;list=UUob4tkfOSXy6yav9Y54SKIQ&amp;index</a></p>	<p><b><u>Division (grouping and sharing and bus stop method)</u></b> Divide a 4 digit number by a 1-digit number by making your own place value counters to help you. You can either draw on counters or make your own out of card/paper. Once you have had a go with counters, try it by just drawing out the counters. Then have a go practising with just the numbers. Link to video for short division with remainders: <a href="https://www.youtube.com/watch?v=FAPcjdAhnY">https://www.youtube.com/watch?v=FAPcjdAhnY</a></p>
<p><b><u>Adding and subtracting fractions</u></b> Use lego or print fraction circles off the internet to help you to practise adding and subtracting fractions with the same denominator and different denominators Link to video showing adding fractions with the same denominator:</p>	<p><b><u>Equivalent fractions</u></b> Print out or draw your own fraction strips/fraction circles from the internet. Use these to find fractions which are equivalent to each other e.g. <math>\frac{2}{6} = \frac{1}{3}</math> Link to video on equivalent fractions:</p>

<p><a href="https://www.youtube.com/watch?v=s768ZakRX4k&amp;list=PLWIJ2KbiNEypS0zx+54W ez5X4gnQ-xxvu&amp;index">https://www.youtube.com/watch?v=s768ZakRX4k&amp;list=PLWIJ2KbiNEypS0zx+54W ez5X4gnQ-xxvu&amp;index</a></p> <p>Link to video showing subtracting fractions with the same denominator:  <a href="https://www.youtube.com/watch?v=iUfsGb5KLWs&amp;list=PLWIJ2KbiNEypS0zx+54W ez5X4gnQ-xxvu&amp;index">https://www.youtube.com/watch?v=iUfsGb5KLWs&amp;list=PLWIJ2KbiNEypS0zx+54W ez5X4gnQ-xxvu&amp;index</a></p> <p>Link to video showing adding fractions with the different denominators:  <a href="https://www.youtube.com/watch?v=tDQipFjAoT8">https://www.youtube.com/watch?v=tDQipFjAoT8</a></p>	<p><a href="https://www.youtube.com/watch?v=LUJ49WdgRyM&amp;list=PLWIJ2KbiNEypS0zx+54W ez5X4gnQ-xxvu&amp;index">https://www.youtube.com/watch?v=LUJ49WdgRyM&amp;list=PLWIJ2KbiNEypS0zx+54W ez5X4gnQ-xxvu&amp;index</a></p>
<p><b>Number investigation</b></p> <p>Can you make all square numbers up to 10 squared by adding two prime numbers together?  Where is a good place to start?</p> <p>Take turns to give your partner a property of number. You can cover up to 3 numbers at a time on a 100 square.  Aim is to cover four in a row while trying to block your partner. A few ideas:</p> <ul style="list-style-type: none"> <li>• Multiples of ..</li> <li>• Factors of ...</li> <li>• Common multiples of ..</li> <li>• Common factors of ...</li> <li>• Prime numbers • Square numbers</li> <li>• Odd/even numbers between ... and</li> <li>• Numbers which are divisible by ...</li> </ul> <p>If your grown-up needs to ask what these properties mean have you got a clear concise definition with an example? Could you create a poster?</p> <p><u>Multiples:</u>  <a href="https://www.youtube.com/watch?v=jYKrcMww3KI">https://www.youtube.com/watch?v=jYKrcMww3KI</a></p> <p><u>Factors:</u>  <a href="https://www.youtube.com/watch?v=60wIJ4qhQW4">https://www.youtube.com/watch?v=60wIJ4qhQW4</a></p> <p><u>Prime:</u>  <a href="https://www.youtube.com/watch?v=FrR41OTHdCw">https://www.youtube.com/watch?v=FrR41OTHdCw</a></p> <p><u>Square:</u>  <a href="https://www.youtube.com/watch?v=S3xpbDUwuTw">https://www.youtube.com/watch?v=S3xpbDUwuTw</a></p>	<p><b>Angles</b></p> <p>Make your own angle eater/right angle tester and go round your house/garden looking for right, acute and obtuse angles.  Link to video showing investigation of right, acute and obtuse angles:  <a href="https://www.youtube.com/watch?v=S_p0STXaf9s&amp;list=PLWIJ2KbiNEyrTqPf1uBkSPri4zSMmL09L">https://www.youtube.com/watch?v=S_p0STXaf9s&amp;list=PLWIJ2KbiNEyrTqPf1uBkSPri4zSMmL09L</a></p> <p>Download Quadrilaterals from nRich. <a href="https://nrich.maths.org/quadrilaterals">https://nrich.maths.org/quadrilaterals</a> How many different quadrilaterals can be made by joining the dots on the circle? Can you name them? Can you work out the angles of all your quadrilaterals? If you have a protractor measure the angles to check.</p>