

## Maths Homework Grid (Y3)

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!

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| <p><b>Times Tables</b><br/>Spend at least 15 minutes a day practising your times tables<br/><a href="https://trockstars.com/">https://trockstars.com/</a><br/><br/><a href="https://www.topmarks.co.uk/maths-games/hit-the-button">https://www.topmarks.co.uk/maths-games/hit-the-button</a><br/><br/><a href="https://www.timestables.co.uk/">https://www.timestables.co.uk/</a></p>  | <p><b>Column subtraction</b><br/>Make your own tens and ones using straws, tooth pics, pencils (or anything else you can think of which you can make into bundles of ten).<br/>Practice column subtraction with your tens and ones, then have a go at drawing them out. Once you have done this, practise column subtraction with just numbers.<br/>Why don't you use a dice to generate your numbers and make some column subtraction questions of your own.<br/>Link to video for column subtraction of 2 2-digit numbers:<br/><a href="https://www.youtube.com/watch?v=pADFYrGdyYE&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index">https://www.youtube.com/watch?v=pADFYrGdyYE&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index</a></p>   |
| <p><b>Maths Games</b><br/>Choose a maths game to play each day.<br/>Have a go making up new rules or inventing your own maths game.<br/><a href="https://matr.org/blog/fun-maths-games-activities-for-kids/">https://matr.org/blog/fun-maths-games-activities-for-kids/</a><br/><br/>Link to maths games videos:<br/><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>Grid method multiplication</b><br/>Multiply a 2-digit number by a 1 digit by making your own place value counters to help you. You can either draw on counters or make your own out of card/paper.<br/>Once you have had a go with counters, practise by drawing out the counters. Then have a go practising with just the numbers.<br/>Link to video for multiplying a 2-digit number by a 1-digit number:<br/><a href="https://www.youtube.com/watch?v=RRX3AQzYWHM&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index">https://www.youtube.com/watch?v=RRX3AQzYWHM&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index</a></p>  |
| <p><b>Column addition</b><br/>Make your own tens and ones using straws, tooth pics, pencils (or anything else you can think of which you can make into bundles of ten).<br/>Practice column addition with your tens and ones, then have a go at drawing them out. Once you have done this, practise column addition with just numbers<br/>Why don't you use dice to generate your numbers and make some column addition questions of your own.<br/>Link to video for column addition of 2 2-digit numbers:<br/><a href="https://www.youtube.com/watch?v=hHM25Nx4vhg&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index=7&amp;t">https://www.youtube.com/watch?v=hHM25Nx4vhg&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index=7&amp;t</a></p> | <p><b>Short division - division as grouping and sharing</b><br/>Get some something you can use to share (counters/raisins/grapes etc....) Practise dividing by sharing and dividing by grouping.<br/>Link to video:<br/><a href="https://youtu.be/bdglIPNNhuI">https://youtu.be/bdglIPNNhuI</a><br/>Divide a 2 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, practise short division drawing out the counters. Then have a go practising with just the numbers.<br/>Link to video for dividing a 2-digit number by a 1-digit number:<br/><a href="https://www.youtube.com/watch?v=4EcMON3F1yE&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index">https://www.youtube.com/watch?v=4EcMON3F1yE&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index</a></p> |

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| <p><b><u>Equivalent fractions</u></b><br/>Investigate fractions equivalent to <math>\frac{1}{2}</math> using food (pizza, cake, chocolate bars), toys (coloured bricks/lego) or print fraction circles from the internet<br/>Link to video on fractions equivalent to <math>\frac{1}{2}</math>:<br/><a href="https://www.youtube.com/watch?v=ieT9k537jP4&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4qnQ-xxvu&amp;index">https://www.youtube.com/watch?v=ieT9k537jP4&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4qnQ-xxvu&amp;index</a><br/>Then start to investigate other equivalent fractions:<br/>Link to video on more equivalent fractions:<br/><a href="https://www.youtube.com/watch?v=LUJ49WdgRyM&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4qnQ-xxvu&amp;index">https://www.youtube.com/watch?v=LUJ49WdgRyM&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4qnQ-xxvu&amp;index</a></p> | <p><b><u>Time (O'Clock, half past, quarter past and quarter to)</u></b><br/>Telling the time on an analogue clock can be tricky. Sometimes it can be easier to learn the time by introducing one hand at a time. Make your own clock from card or paper and try telling the time to o'clock and half past, using only the hour hand.<br/>Link to video on telling the time to o'clock and half past:<br/><a href="https://www.youtube.com/watch?v=V32tRiEQ2AA&amp;t">https://www.youtube.com/watch?v=V32tRiEQ2AA&amp;t</a><br/>Once you are confident with o'clock and half past, have a go at quarter past and quarter to.<br/>Link to video on telling the time to o'clock, half past, quarter past &amp; quarter to:<br/><a href="https://www.youtube.com/watch?v=86RbCwhdJSs">https://www.youtube.com/watch?v=86RbCwhdJSs</a></p> |
| <p><b><u>Fractions of amounts</u></b><br/>Use raisins, grapes, sweets, or anything else you can share to help you find fractions of amounts. Share them between your teddies and then have a go at drawing the bar model and sharing on there.<br/>Link to video on fractions of amounts by sharing and using the bar model:<br/><a href="https://www.youtube.com/watch?v=PgrF1TYXP6Y&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4qnQ-xxvu&amp;index">https://www.youtube.com/watch?v=PgrF1TYXP6Y&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4qnQ-xxvu&amp;index</a></p>  | <p><b><u>Coordinates</u></b><br/>Draw out your own grid and work out the coordinates of different items you place on your grid.<br/>Link to video on coordinates:<br/><a href="https://www.youtube.com/watch?v=LheIupt9SXM&amp;list=PLWIJ2KbiNEypHzK91uOhgALvZdLlNYiVw">https://www.youtube.com/watch?v=LheIupt9SXM&amp;list=PLWIJ2KbiNEypHzK91uOhgALvZdLlNYiVw</a></p>   |
| <p><b><u>Adding Fractions</u></b><br/>Use coloured bricks / lego or print fraction circles from the internet. Have a go at adding fractions with the same denominator when they add up to less than one whole, then have a go at adding fractions which add to more than one whole.<br/>Link to video on adding fractions with the same denominator:<br/><a href="https://www.youtube.com/watch?v=s768ZakRX4k&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4qnQ-xxvu&amp;index">https://www.youtube.com/watch?v=s768ZakRX4k&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4qnQ-xxvu&amp;index</a></p>  | <p><b><u>Right angles</u></b><br/>Make your own angle eater/right angle tester and go round your house/garden looking for right angles. Write down all the things you can find which have a right angle. What about things which are less than or more than a right angle?<br/><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><b><u>Subtracting fractions</u></b><br/>Use coloured bricks / lego or print fraction circles from the internet. Have a go at subtracting fractions with the same denominator starting with one whole or less, then have a go at subtracting fractions starting with a fraction bigger than one whole.<br/>Link to video on subtracting fractions with the same denominator:<br/><a href="https://www.youtube.com/watch?v=iUfsGb5KLWs&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4qnQ-xxvu&amp;index">https://www.youtube.com/watch?v=iUfsGb5KLWs&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4qnQ-xxvu&amp;index</a></p>  | <p><b><u>Identify parallel and perpendicular lines</u></b><br/>Can you find any parallel and perpendicular lines in your house / garden? Write down all the things you can find with parallel lines and then do the same for perpendicular lines.<br/>Link to video on parallel and perpendicular lines:<br/><a href="https://www.youtube.com/watch?v=AUBVEyzxn7s&amp;list=PLWIJ2KbiNEyrTqPf1uBkSPri4zSMmL09L&amp;index">https://www.youtube.com/watch?v=AUBVEyzxn7s&amp;list=PLWIJ2KbiNEyrTqPf1uBkSPri4zSMmL09L&amp;index</a></p>  |