

## Maths Homework Grid (Y4)

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://trockstars.com/">https://trockstars.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>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 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 3-digit numbers: <a href="https://www.youtube.com/watch?v=sTILCPp6q2c&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index=10">https://www.youtube.com/watch?v=sTILCPp6q2c&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index=10</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>Grid method and column method multiplication</u></b> Multiply a 3-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 done this with counters, have a go by drawing them out. Link to video: <a href="https://www.youtube.com/watch?v=QrKqvhV-j_Q&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index=13">https://www.youtube.com/watch?v=QrKqvhV-j_Q&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index=13</a></p>
<p><b><u>Column Addition</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 addition with your 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 3-digit numbers: <a href="https://www.youtube.com/watch?v=PRAOFeuaaVU&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index=9">https://www.youtube.com/watch?v=PRAOFeuaaVU&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index=9</a></p>	<p><b><u>Division (grouping and sharing and bus stop method)</u></b> Get some something you can use to share (counters/raisins/grapes etc....) Practise dividing by sharing and dividing by grouping. Link to video: <a href="https://youtu.be/bdgIIpNNhul">https://youtu.be/bdgIIpNNhul</a> Divide a 3 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 dividing a 3-digit number by a 1-digit number: <a href="https://www.youtube.com/watch?v=D7PeIKmv-jl&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index=14">https://www.youtube.com/watch?v=D7PeIKmv-jl&amp;list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&amp;index=14</a></p>
<p><b><u>Equivalent fractions</u></b> Print out 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: <a href="https://www.youtube.com/watch?v=LUJ49WdgRyM&amp;list=PLWIJ2KbiNEypSOzxt54Wez5X4gnQ-xxvu&amp;index">https://www.youtube.com/watch?v=LUJ49WdgRyM&amp;list=PLWIJ2KbiNEypSOzxt54Wez5X4gnQ-xxvu&amp;index</a></p>	<p><b><u>Telling the time in analogue and digital</u></b> Try converting different times from analogue to digital and from digital to analogue. Link to video on analogue to digital time: <a href="https://www.youtube.com/watch?v=72MmaggC_ZtA&amp;list=PLWIJ2KbiNEypQx6oZDAuyI55g_ShOQRNx&amp;index">https://www.youtube.com/watch?v=72MmaggC_ZtA&amp;list=PLWIJ2KbiNEypQx6oZDAuyI55g_ShOQRNx&amp;index</a></p>

<p><b><u>Fractions of amounts</u></b></p> <p>Use raisins, sweets, grapes etc.... and draw out bar models to help you find fractions of amounts. Once you have had a go with practical resources, draw them out as a picture to help you. Once you are confident with this, draw out the bar model but just record the numbers in it.</p> <p>Link to video showing the bar model for fractions of amounts:  <a href="https://www.youtube.com/watch?v=qh53TJoMV3o&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&amp;index">https://www.youtube.com/watch?v=qh53TJoMV3o&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&amp;index</a></p>	<p><b><u>Multiplying and dividing by 10 and 100</u></b></p> <p>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?</p> <p>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></p> <p>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>Adding and subtracting fractions</u></b></p> <p>Use lego or print fraction circles off the internet to help you to practise adding and subtracting fractions with the same denominator.</p> <p>Link to video showing adding fractions with the same denominator:  <a href="https://www.youtube.com/watch?v=s768ZakRX4k&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&amp;index">https://www.youtube.com/watch?v=s768ZakRX4k&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-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=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&amp;index">https://www.youtube.com/watch?v=iUfsGb5KLWs&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&amp;index</a></p>	<p><b><u>Right, acute and obtuse angles</u></b></p> <p>Make your own angle eater/right angle tester and go round your house/garden looking for right, acute and obtuse angles.</p> <p>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><b><u>Telling the time in analogue</u></b></p> <p>Practise telling the time in analogue. You can choose to practice reading the time to o'clock and half past:</p> <p><a href="https://www.youtube.com/watch?v=V32tRiEQ2AA&amp;t">https://www.youtube.com/watch?v=V32tRiEQ2AA&amp;t</a></p> <p>Once you are confident with this, have a go at telling the time to quarter past &amp; to:</p> <p><a href="https://www.youtube.com/watch?v=86RbCwhdJSs">https://www.youtube.com/watch?v=86RbCwhdJSs</a></p> <p>If you can do this, have a go at telling the time to 5 minutes:  <a href="https://www.youtube.com/watch?v=QJkYONqIYQM">https://www.youtube.com/watch?v=QJkYONqIYQM</a></p> <p>Finally have a go at reading the time to the nearest minute:  <a href="https://www.youtube.com/watch?v=ohgPN0jOcf4">https://www.youtube.com/watch?v=ohgPN0jOcf4</a></p>	<p><b><u>Coordinates</u></b></p> <p>Draw out your own grid and work out the coordinates of different items you place on your grid.</p> <p>Link to video on coordinates:  <a href="https://www.youtube.com/watch?v=Lhelupt9SXM&amp;list=PLWIJ2KbiNEypHzK91u0hgALvZdLINYiVw">https://www.youtube.com/watch?v=Lhelupt9SXM&amp;list=PLWIJ2KbiNEypHzK91u0hgALvZdLINYiVw</a></p>