

## Maths Homework Grid (Y4)

Practise your tables, play a maths game and choose one other thing to work on each day. The video links are there to help you understand the activities.

<p><b><u>Times Tables</u></b> Spend at least 15 minutes a day practising your times tables Could be online, with a parent or on paper <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> Play on <a href="#">Hit the Button</a> - focus on number bonds, halves, doubles and times tables  <a href="https://www.timestables.co.uk/">https://www.timestables.co.uk/</a></p> <p><b><u>Y4 multiplication check practice</u></b> <a href="https://mathsframe.co.uk/en/resources/resource/477/Multiplication-Tables-Check">https://mathsframe.co.uk/en/resources/resource/477/Multiplication-Tables-Check</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>Practise counting forwards from 0 in <b>6s. (multiples of 6)</b> Practise counting forwards from 0 in <b>7s. (multiples of 7)</b> Practise counting forwards from 0 in <b>9s. (multiples of 9)</b> Practise counting forwards from 0 in <b>25s. (multiples of 25)</b> Practise counting forwards from 0 in <b>1000s. (multiples of 1000)</b></p>	<p>Practise counting backwards through 0 to negative numbers</p> <p>Here are some <a href="#">mini maths tasks</a>. Work through the activities given for each day for year 4.</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, and 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>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, and 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>Grid method and column method multiplication</b></p> <p>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.</p> <p>Once you have done this with counters, have a go by drawing them out.</p> <p>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>Division (grouping and sharing and bus stop method)</b></p> <p>Get some something you can use to share (counters/raisins/grapes etc....) Practise dividing by sharing and dividing by grouping.</p> <p>Link to video:  <a href="https://youtu.be/bdglIPNNhul">https://youtu.be/bdglIPNNhul</a></p> <p>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.</p> <p>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.</p> <p>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>Multiplying and dividing by 10 and 100</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>Money</b></p> <p>Look at a receipt – find the cost of different items          Which is the most or least expensive?          Which coins would you need to buy these items?          Can you find the cost of different combinations?          Can you work out the change from £5 or £10?</p> <p>Adding totals of the weekly shopping list or some work around money. This <a href="#">game</a> could support work on adding money.</p>
<p><b>Equivalent fractions</b></p> <p>Print out your own fraction strips/fraction circles from the internet.</p> <p>Use these to find fractions which are equivalent to each other e.g. <math>\frac{2}{6} = \frac{1}{3}</math></p> <p>Link to video on equivalent fractions:  <a href="https://www.youtube.com/watch?v=LUJ49WdgRyM&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&amp;index">https://www.youtube.com/watch?v=LUJ49WdgRyM&amp;list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&amp;index</a></p>	<p><b>Adding and subtracting fractions</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>:Fractions of amounts</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>Knowledge organisers</b></p> <p>Get a piece of paper and show everything you know about <b>Time</b>. This could be pictures, diagrams, explanations, methods etc. You can be as creative as they want to be.</p> <p>The same activity can be used for <b>Shape, Fractions, Addition, Subtraction, Multiplication and Division</b></p>



### Additional learning resources parents may wish to engage with

- Maths4Kids You tube channel hosted by a child, explaining methods we use in school (mostly KS2)  
<https://www.youtube.com/channel/UCob4tkfOSXy6yav9Y54SKIQ>
- White Rose Maths Problems of the Day – Orange problems for KS1 and Blue problems for KS2  
<https://whiterosemaths.com/resources/classroom-resources/problems/page/3/>
- Mathszone – A host of interactive maths games including favourites such as Hit the Button. No sign up necessary  
<https://mathszone.co.uk/>
- BBC Bitesize – KS1 and KS2. All subjects included and no sign up necessary  
<https://www.bbc.co.uk/bitesize/primary>
- NRICH a range of free age related resources to develop mathematical reasoning and problem solving No sign up necessary.  
<https://nrich.maths.org/primary>
- TopMarks – Maths Games for KS1 or KS2  
<https://www.topmarks.co.uk/Search.aspx?Subject=16&AgeGroup=3>