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!

Times Tables Spend at least 15 minutes a day practising your times tables https://ttrockstars.com/ https://www.topmarks.co.uk/maths-games/hit-the-button https://www.timestables.co.uk/	**Column subtraction** 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). 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. 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 2-digit numbers: https://www.youtube.com/watch?v=pADFYrGdyYE&list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&index
Maths Games Choose a maths game to play each day. Have a go making up new rules or 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	**Grid method multiplication** 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. Once you have had a go with counters, practise by drawing out the counters. Then have a go practising with just the numbers. Link to video for multiplying a 2-digit number by a 1-digit number: https://www.youtube.com/watch?v=RRX3AQzYWHM&list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&index
Column addition 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). 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 Why don't you use dice to generate your numbers and make some column addition questions of your own. Link to video for column addition of 2 2-digit numbers: https://www.youtube.com/watch?v=hHM25Nx4vhg&list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&index=7&t	**Short division – division as grouping and sharing** Get some something you can use to share (counters/raisins/grapes etc….) Practise dividing by sharing and dividing by grouping. Link to video: https://youtu.be/bdglIPNNhuI 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. Link to video for dividing a 2-digit number by a 1-digit number: https://www.youtube.com/watch?v=4EcMON3F1yE&list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&index

Equivalent fractions Investigate fractions equivalent to $\frac{1}{2}$ using food (pizza, cake, chocolate bars), toys (coloured bricks/lego) or print fraction circles from the internet Link to video on fractions equivalent to $\frac{1}{2}$: https://www.youtube.com/watch?v=ieT9k537jP4&list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&index Then start to investigate other equivalent fractions: Link to video on more equivalent fractions: https://www.youtube.com/watch?v=LUJ49WdgRyM&list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&index	**Time (O'Clock, half past, quarter past and quarter to)** 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. Link to video on telling the time to o'clock and half past: https://www.youtube.com/watch?v=V32tRiEQ2AA&t Once you are confident with o'clock and half past, have a go at quarter past and quarter to. Link to video on telling the time to o'clock, half past, quarter past & quarter to: https://www.youtube.com/watch?v=86RbCwhdJSs
Fractions of amounts 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. Link to video on fractions of amounts by sharing and using the bar model: https://www.youtube.com/watch?v=PgrF1TYXP6Y&list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&index	**Coordinates** Draw out your own grid and work out the coordinates of different items you place on your grid. Link to video on coordinates: https://www.youtube.com/watch?v=LheIupt9SXM&list=PLWIJ2KbiNEypHzK91u0hgALvZdLlNYiVw
Adding Fractions 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. Link to video on adding fractions with the same denominator: https://www.youtube.com/watch?v=s768ZakRX4k&list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&index	**Right angles** 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? https://www.youtube.com/watch?v=S_p0STXaf9s&list=PLWIJ2KbiNEyrTqPf1uBkSPri4zSMmL09L
Subtracting fractions 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. Link to video on subtracting fractions with the same denominator: https://www.youtube.com/watch?v=iUfsGb5KLWs&list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&index	**Identify parallel and perpendicular lines** 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. Link to video on parallel and perpendicular lines: https://www.youtube.com/watch?v=AUBVEyzxn7s&list=PLWIJ2KbiNEyrTqPf1uBkSPri4zSMmL09L&index

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!

Times Tables Spend at least 15 minutes a day practising your times tables https://ttrockstars.com/ https://www.topmarks.co.uk/maths-games/hit-the-button https://www.timestables.co.uk/	**Column Subtraction** 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: https://www.youtube.com/watch?v=sTILCPp6q2c&list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&index=10
Maths Games 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	**Grid method and column method multiplication** 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: https://www.youtube.com/watch?v=QrKqvhV-j_Q&list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&index=13
Column Addition 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: https://www.youtube.com/watch?v=PRAOFeuaaVU&list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&index=9	**Division (grouping and sharing and bus stop method)** Get some something you can use to share (counters/raisins/grapes etc….) Practise dividing by sharing and dividing by grouping. Link to video: https://youtu.be/bdglIPNNhuI 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: https://www.youtube.com/watch?v=D7PelKmv-jI&list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&index=14

Equivalent fractions Print out your own fraction strips/fraction circles from the internet. Use these to find fractions which are equivalent to each other e.g. $\frac{2}{6} = \frac{1}{3}$ Link to video on equivalent fractions: https://www.youtube.com/watch?v=LUJ49WdgRyM&list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&index	**Telling the time in analogue and digital** Try converting different times from analogue to digital and from digital to analogue. Link to video on analogue to digital time: https://www.youtube.com/watch?v=72MmggC_ZtA&list=PLWIJ2KbiNEypQx6oZDAuyI55g_ShOQRNx&index
Fractions of amounts 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. Link to video showing the bar model for fractions of amounts: https://www.youtube.com/watch?v=qh53TJoMV3o&list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&index	**Multiplying and dividing by 10 and 100** 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: https://www.youtube.com/watch?v=7Y0zSnhiShc&list=UUob4tkfOSXy6yav9Y54SKIQ&index Link to video on dividing by 10 and 100: https://www.youtube.com/watch?v=PPMnbH2M0io&list=UUob4tkfOSXy6yav9Y54SKIQ&index
Adding and subtracting fractions Use lego or print fraction circles off the internet to help you to practise adding and subtracting fractions with the same denominator. Link to video showing adding fractions with the same denominator: https://www.youtube.com/watch?v=s768ZakRX4k&list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&index Link to video showing subtracting fractions with the same denominator: https://www.youtube.com/watch?v=iUfsGb5KLWs&list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&index	**Right, acute and obtuse angles** 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: https://www.youtube.com/watch?v=S_p0STXaf9s&list=PLWIJ2KbiNEyrTqPf1uBkSPri4zSMmL09L
Telling the time in analogue Practise telling the time in analogue. You can choose to practice reading the time to o'clock an half past: https://www.youtube.com/watch?v=V32tRiEQ2AA&t Once you are confident with this, have a go at telling the time to quarter past & to: https://www.youtube.com/watch?v=86RbCwhdJSs If you can do this, have a go at telling the time to 5 minutes: https://www.youtube.com/watch?v=QJkYONqIYQM Finally have a go at reading the time to the nearest minute: https://www.youtube.com/watch?v=ohgPN0jOcf4	**Coordinates** Draw out your own grid and work out the coordinates of different items you place on your grid. Link to video on coordinates: https://www.youtube.com/watch?v=LheIupt9SXM&list=PLWIJ2KbiNEypHzK91u0hgALvZdLlNYiVw