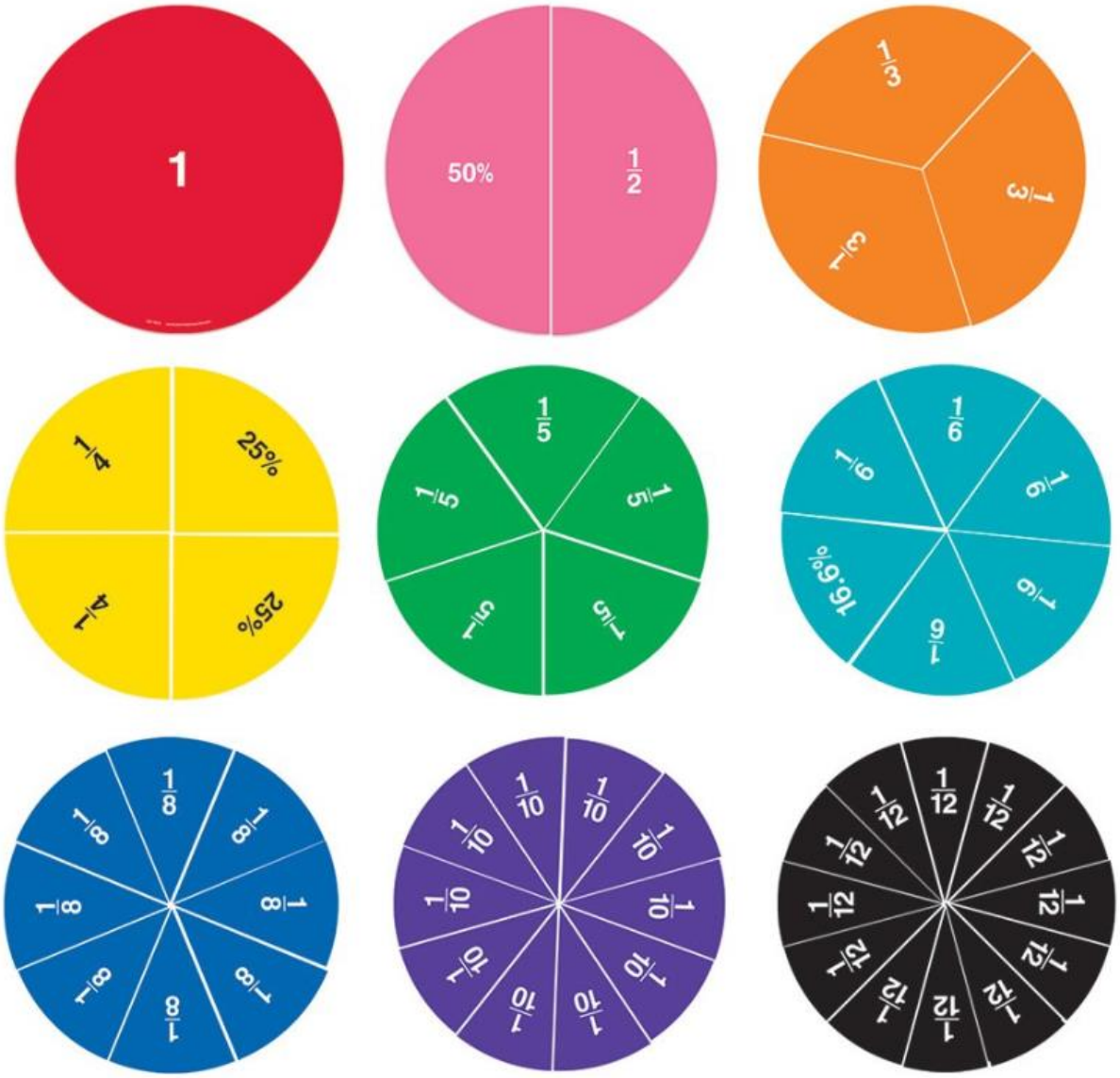
Maths Homework Grid (Y3)

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.

Times Tables Spend at least 15 minutes a day practising your times tables Could be online, with a parent or on paper https://ttrockstars.com/ Play on Hit the Button - focus on number bonds, halves, doubles and times tables. Support to learn each x table - https://www.timestables.co.uk/	**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
Practise counting forwards and backwards from any given number in **1s.** Practise counting forwards and backwards from any given number in **10s.** Practise counting forwards and backwards from any given number in **100s.** Practise counting forwards and backwards from any given number in **2s.** Here are some mini maths tasks. Work through the activities given for each day for year 3.	Practise counting forwards from 0 in **4s.** Practise counting forwards from 0 in **8s.** Practise counting forwards from 0 in **50s.** Practise counting forwards from 0 in **100s.**
Money 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 work out the change from £5? Adding totals of the weekly shopping list or some work around money. This game could support work on adding money.	**Knowledge organisers** Get a piece of paper and show everything you know about **Time.** This could be pictures, diagrams, explanations, methods etc. You can be as creative as they want to be. The same activity can be used for **Shape, Fractions, Addition, Subtraction, Multiplication** and **Division**
Column addition Make your own tens and ones using straws, toothpicks, pencils (or anything else you can think of which you can make into bundles of ten). Practice column addition with your tens and ones, and 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 two 2-digit numbers: https://www.youtube.com/watch?v=hHM25Nx4vhg&list=PLWIJ2KbiNEyq1iZ36fRe-xTJ4NNZsmYz9&index=7&t	**Column subtraction** Make your own tens and ones using straws, toothpicks, pencils (or anything else you can think of which you can make into bundles of ten). Practice column subtraction with your tens and ones, and 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

Time (O'clock, half past, quarter past and quarter to) Telling the time on an analogue clock (regular clock face) 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	**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 Investigate other equivalent fractions: Link to video https://www.youtube.com/watch?v=LUJ49WdgRyM&list=PLWIJ2KbiNEypS0zxt54Wez5X4gnQ-xxvu&index
Time yourself doing different activities e.g. getting dressed or brushing your teeth How many jumps/x table facts/spellings …can you complete in 1 minute? Game – can you close your eyes and guess when a minute has passed? Several of you could compete at this with one person being the timekeeper – who guesses closest to 1 minute? Practise telling the time. This could be done through this game (scroll down to access the game). Read to the hour half hour quarter hour five minutes and the nearest minute	**Fractions of amounts** Use raisins, grapes, sweets, or anything else you can share to help you find fractions of amounts. Share them between your toys 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
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	**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/bdgIIPNNhuI 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
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	**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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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