| (MATHS - week commencing 6 ${ }^{\text {th }}$ July 2020 |  |  |
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| Try some quick fire multiplication questions e.g. $5 \times 2,6 \times 10,3 \times 5,7 \times 2$ etc. Reinforce using fingers to count in $2 s, 5 s, 10$ s (so each finger represents 2,5 or 10 rather than 1 ) it's important that children chant the pattern so they use their fingers efficiently too. You could use the finger counter to support this http://www.ictgames.com/mobilePage/fingerCount/index.html <br> Discuss to reinforce that when you divide something into 2 parts this is the same as halving the whole amount, which is the opposite of doubling. Then practise dividing/sharing even numbers between 2 to illustrate and support this. |  | Multiplication and division quick fire games https://www.topmarks.co.uk/maths-games/hit-the-button BBC Bitesize have a great collection of clips, songs and games to support the activities this week too Missing Wimbledon this year? Play Tables Tennis instead! https://www.ictgames.com/tablesTennis/mobile/ Doggy Division Dinners http://www.ictgames.com/mobilePage/doggyDivision/index.html Reading scales - Capacity Countdown http://www.ictgames.com/mobilePage/capacity/index.html Education City - use the homework tab to access your child's own homework city where specific activities for this week have been enabled - there are also lots of Pick and Play maths activities to choose from too. https://go.educationcity.com/ |
| Vocabulary this week - lots of, sets of, groups of, times, array, multiply, divide(d) by, shared between, measure, standard measure, non-standard measure, litres, millilitres |  |  |
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|  |  | any errors/ misconceptions from yesterday. itesize - see useful tools above). Pose a real life multiplication problem to solve e.g. Jill s did she have altogether? ation in the problem and underline or highlight it. Encourage your child to use resources too (either as repeated addition) 5+5+5+5+5+5 = 30, and if they can, as a multiplication Multiplication word problems) or create your own. |


| Activity 3 | Division. Begin by watching this clip together https://www.bbc.co.uk/teach/class-clips-video/maths-ks1--ks2-the-relationship-between-multiplication-and-division/zdqb47h (you may need to pause it every now and then to recap what's happening and check your child is following it) <br> Then spend some time practising sharing objects (the total amount) into groups. Share 15 sweets between 5 people, how many will they get each? <br> Once done, and they see the answer is 3 , show how this is related to multiplication because we can see that 3 groups of 5 is 15 , but with division we are given the total 15 , and are looking at how to share it out. Do this lots of times using resources and drawing pictures (working on numbers divisible by 10, 5 and 2 to enable them to see the link between multiplication division more easily). Keep referring to how division or dividing is the opposite (inverse) to multiplication because with dividing we have the total number of objects, but we are usually asked to share the amount out fairly (equally) or to divide it up into equal groups and to see how many are in each group or how many groups we have. (see resource - Activity 3 Practical Sharing) <br> If ready, introduce the division sign to record (this has been covered before in Y1, but may need recapping). Model how to write the number sentence that matches a practical problem they have just solved. Please note however, it is more important that they understand the questions and practise solving them practically, before moving onto abstract calculations (these are written number sentences). |
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| Activity 4 | Division Continue from yesterday, taking time to repeat strategies and going through any misconceptions or aspects that your child may have found tricky to follow. Watch https://www.bbc.co.uk/teach/class-clips-video/maths-ks1--ks2-how-to-use-mental-methods-to-divide/zvg6nrd to reinforce learning. |
|  | Today, take a look at some real life division problems to solve practically using resources and drawing pictures. As before, encourage your child to underline/highlight the important information within the word problem (see Activity 4 Division Word problems) and to work practically to solve the problem, drawing pictures too will help them to record their workings out. If appropriate, support your child to record their problem solving as a number sentence using the division sign. <br> Next, and only if your child shows you that they're ready, take a look at some written division calculations using the division symbol. Model reading the sentence aloud, eg $8 \div 2$ "What is eight cakes shared between 2 people?" using the sharing method. If appropriate, give your child a few written division calculations to solve practically (and using drawing pictures) then to complete the number sentence by filling in their answer (see resource - Activity 4 Division word problems) |
| Measure Activities | First, watch https://www.bbc.co.uk/bitesize/topics/zt9k7ty/articles/zp8crdm then spend time using a variety of containers filled to varying levels with liquid to discuss the capacity of each vessel. Which holds more/less? How do you know etc... (it's interesting to use tall, thin containers and compare to shorter, wider ones). Look at what could be used to measure (eg, any cup/beaker/egg cup/container etc... these are non standard units of measure. Then look at a measuring jug/bowl and the scale on the side - look at ml and L - these are standard measures and are used around the world. Discuss where these measures might be used (recipes/food labelling/garages etc..). Can they find items in the home/out and about that have these measures written on them? Look through the powerpoint resource (Measuring in ml ) <br> Take time to explore the scale and its marks, discussing what each line represents, and filling the containers to specified amounts, estimate how many ml or $L$ each vessel may hold. Include number problems in your activities - eg. This bucket holds 10L, this is a 2 L bottle, how many full bottles will it take to fill the bucket? <br> Count on to find the difference between measures, how many more litres/cupfuls? Adding different amounts, which two jugs contain 5 litres? (use of bonds). If a bucket held 10 litres and we poured out 7 litres, how many litres are left? Or if 3 litres are left, how much was poured out? Etc. Look through the quiz powerpoint resource (Capacity Quiz) <br> If you have time - follow a simple recipe, or make a fun mocktail - using standard measures and reading scales. |
| Homework | By the end of the week - send just one completed activity sheet to your class teacher (if possible showing your child using the resources they chose to solve the problems). Dragonflies - P.Glass@heatherside-inf.hants.sch.uk Swans - S.Williams@heatherside-inf.hants.sch.uk Kingfishers - E.Brown@heatherside-inf.hants.sch.uk Lions - A.Fergus-Smith@heatherside-inf.hants.sch.uk Tigers - V.Hogan@heatherside-inf.hants.sch.uk |

