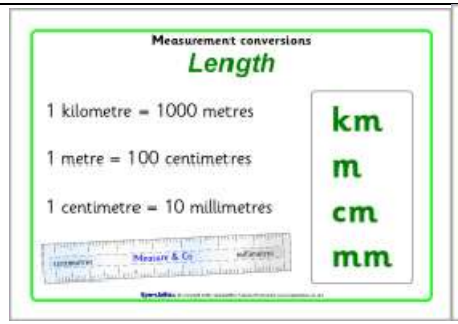
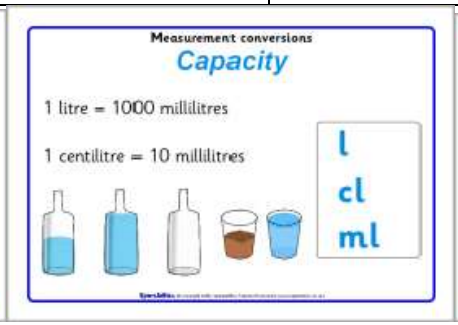
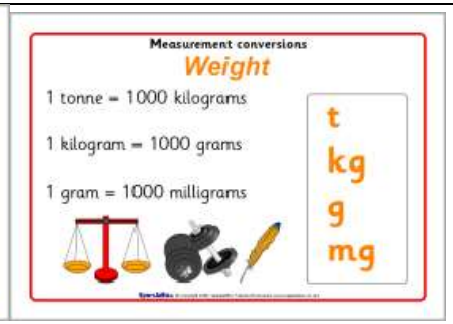
Maths Homework activities for Year 6 HT2

These are the areas of Maths your child will be learning this half term. Your child may be given extra homework to reinforce an area of Maths they need more practise with.

I can add and subtract fractions with different denominators and mixed numbers	I can multiply simple pairs of proper fractions, writing the answer in the simplest form.	I can divide proper fractions by whole numbers.
To be able to add or subtract fractions with different denominators (the bottom number!), we need to find the lowest common denominator – a multiple of both denominators. For example: $\frac{1}{2} + \frac{1}{3}$ 6 is a multiple of both 2 and 3 so we need to change the denominators to 6. Change the ½: $\frac{1 \times 3}{2 \times 3} = \frac{3}{6}$ Change the 1/3: $\frac{1 \times 2}{3 \times 2} = \frac{2}{6}$ So $\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6}$ Now we can add the numerators (the top numbers!). $\frac{3+2}{6} = \frac{5}{6}$ This website has a fun game for adding and subtracting fractions: http://www.sheppardsoftware.com/mathgames/fractions/mathman_fractions_add_uncommon.htm	This sounds hard but actually is easier than adding and subtracting fractions! All you need to remember is to multiply the numerators then multiply the denominators. For example: $\frac{4}{5} \times \frac{2}{3} = \frac{4 \times 2}{5 \times 3} = \frac{8}{15}$ Remember to have a look at the answer to see if the fraction is in its simplest form. Can you divide the numerator and denominator by the SAME number? E.g. If the answer was 5/15 you could divide both numbers by 3 to get the simplest form 1/3. Another good game to practise this skill: http://www.mathplayground.com/fractions_mult.html	**To Divide a Fraction by a Whole Number:** 1.Multiply the denominator (bottom number of the fraction) by the whole number. 2.Simplify the fraction (if needed) For example: $\frac{1}{2} \div 3$ $\frac{1}{2 \times 3} = \frac{1}{6}$ $\frac{1}{2} \div 3 = \frac{1}{6}$

Year 6 are solving increasingly complex problems involving measurements and shapes. Learning these key measurement facts would really help them →

This website has videos for most of the areas we teach. It is great as a quick reminder if you are met with a blank face when doing any home learning!
https://corbettmathsprimary.com/