

Fraction Maths- week commencing 15th June 2020.

This week in Maths we will be focussing on Fractions. Fractions are used to represent smaller pieces (or parts) of a whole. For example, if you had a chocolate bar made up of 12 cubes of chocolate and 3 pieces had been eaten, this would mean $\frac{3}{12}$ had been eaten and $\frac{9}{12}$ were still remaining. Fractions are all around us and so very important to understand!

Here's some examples:

Splitting a bill at a restaurant into halves, thirds or quarters
Working out price comparisons in the supermarket when something is half price or less.

Figuring out amounts in the kitchen, for example a recipe could serve 10 people but there are only 4 eating, and this means you'll need fractions to figure out the correct amount

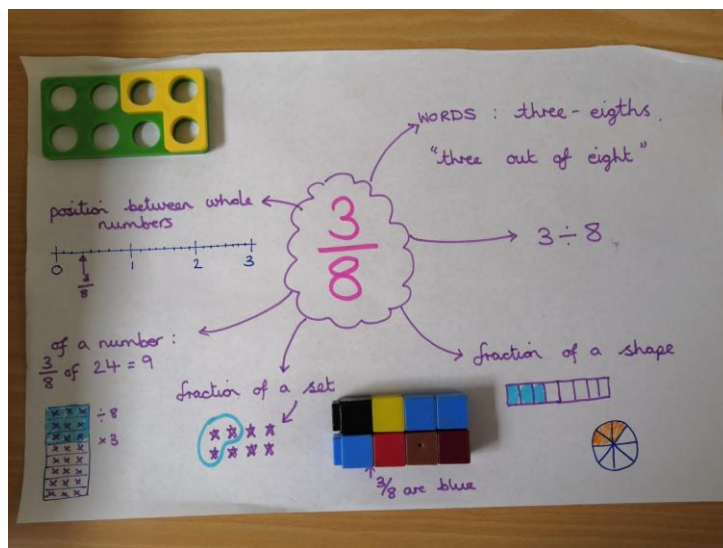
Adding up monetary amounts

Looking at time! Half an hour and quarter past are both common things to hear where time is concerned!

In year 5 and 6, the children continue to work on understanding the size of fractions and comparing or ordering these fractions. The children will also continue to work on finding fractions of amounts and applying this knowledge to word problems. Building on prior knowledge, the children work on adding and subtracting fractions as well as multiplying two fractions together and dividing a fraction by a whole number. We also work on understanding how fractions link to decimals and percentages, finding equivalent decimals and percentages for

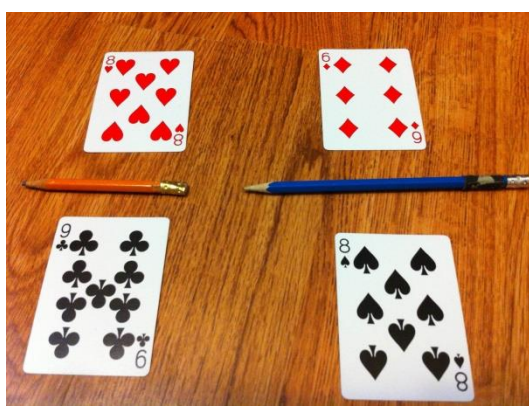
a given fraction. I have attached some useful websites that may help with recapping anything that you may have forgotten about fractions. Below you find a mix of practical and printable activities to choose from to practice your fractions knowledge! Enjoy!

A great way to recap your fraction knowledge is having a go at an activity like this:



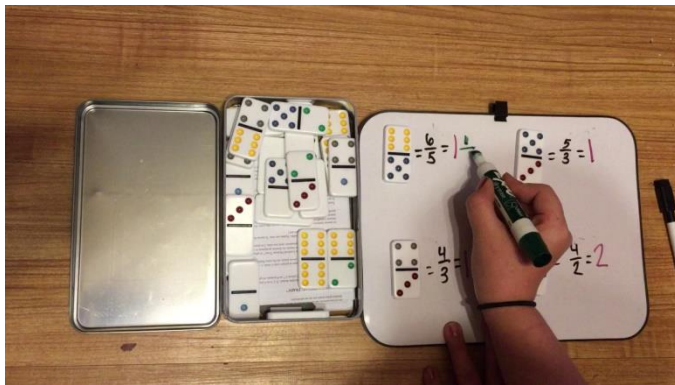
Choose a fraction, how many ways can you represent it?

Could you create your own fractions at home, using equipment from around your house? For example, 8/9 and 6/8 have been made using cards here, you could also use dominoes if you have any or balls of playdough above and below the pencil to create your fraction. Once you have created a fraction, could you create some equivalent



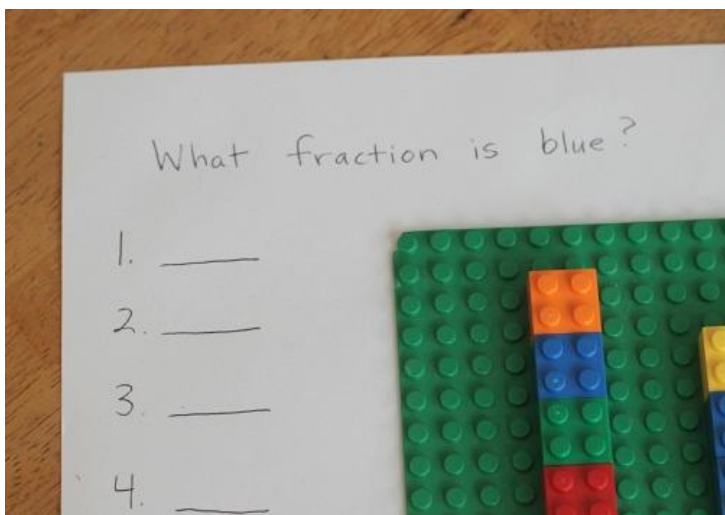
fractions, by multiplying the top and bottom of the fraction? Could you simplify the fraction

by dividing the top and bottom of the fraction equally by a number? If you have made an improper fraction (where the top number of the fraction is greater than the bottom number of the fraction), could you convert it into a mixed number? Can you think of a decimal or percentage your fraction is equivalent to? Could you order the fractions you make from smallest to largest?



Could you create two fractions and add or subtract them or multiply them? Remember, when you

add or subtract a fraction, you must make sure the denominator (the bottom number of the fraction) is the same by multiplying the top and the bottom of the fraction.



You could use Lego to create some fractions! Using the same size pieces makes this much easier, as we know when fractions are the same size, they are much easier to compare, add and subtract.

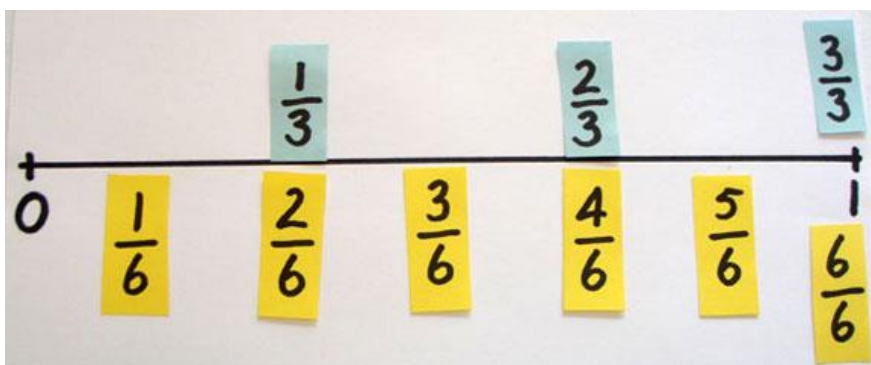
Have a look at the example: What fraction is blue or orange? What is the total fraction of green and red together?

You could even use some sweets to make fractions. What fraction of the packet is each colour? If you picked 20 sweets out of the packet, what are the fractions of each colour now? Now that your fractions are out of 20, could you work out the equivalent percentages and decimal of each fraction?



Could you create a snap game, writing equivalent fractions on different pieces of paper. Mix them up and turn them over. Can you find a matching pair of equivalent fractions?

Could you make your own fraction numberline, adding equivalent fractions?



Here you can find a link to an interactive fraction wall, can you pick out some equivalent fractions from the number wall?

<https://nrich.maths.org/4519>

Using the link below, can you work out what fraction each shape is of the original rectangle?

<https://nrich.maths.org/1048>

I have attached to the class webpage some challenges on adding and subtracting fractions, can you challenge yourself?

I have also uploaded some multiplying fraction activities- 1 star in the corner of the sheet is a Bronze challenge, 2 stars in a silver challenge and 3 stars is a gold challenge.

Can you calculate these fractions of amounts? See the sheet on the class webpage. These will include questions such as

$\frac{3}{5}$ of 20 chocolates or $\frac{1}{10}$ of 110 chocolates?

Can you have a go at these fraction word problems? These are based on real life scenarios when fractions may be used, see if you can challenge yourself!

Useful websites to help with understanding fractions:

<https://www.theschoolrun.com/teacher-tricks-fractions>

<https://www.bbc.co.uk/bitesize/topics/zhdwxcnb>