

Maths Overview Year 3 Class Five Week commencing 04.05.20, 11.05.20, 18.05.20

Topic-Fractions

- recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators
- add and subtract fractions with the same denominator within one whole
- count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10
- recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators
- recognise and show, using diagrams, equivalent fractions with small denominators
- compare and order unit fractions, and fractions with the same denominators
- solve problems that involve all of the above.

We discussed fractions before the school closure. Children might recall some things discussed but will require the concept of a fraction being explained (part of a whole). They may recall the vocabulary of denominator, numerator and vinculum.

Denominator - how many parts an object is split into (the bottom number) e.g. in $\frac{2}{10}$ 10 is the denominator

Numerator - how many parts of the whole are being looked at (the top number) e.g. in $\frac{2}{10}$ 2 is the numerator

Vinculum - the horizontal line used when writing a fraction

When we teach maths at school we always try to put it into a real-life situation to help the children understand it. The following are suggested activities but I am sure you will want to adapt or change things depending on the things you have at home. When finding a fraction amount e.g. $\frac{2}{5}$ of 25 I would explain this by saying we start with 25 as that is the whole (it might be useful to use manipulatives such as Lego, counters etc. to demonstrate) and split it equally into whatever the denominator is (bottom number) then when we have split it we look at the numerator (top number) so we look at that many groups (so 2 groups) and add these together e.g. there would be 5 in each group so in 2 groups of 5 there would be 10.

All children:

Go to <https://whiterosemaths.com/homelearning/year-3/>

Look at week one and week two, summer term week one dated w/c 20 April. You will find 15 short maths lessons. Each has a video to demonstrate the learning involved and a short activity linked to the video. You can either print off the activity sheet, or talk through it together with the worksheet on the screen. Please remember these are only a guide, if you feel your child needs more support or practice please go at your own pace adapting to your child's needs. If you feel your child needs to recap Y2 fractions I would suggest focusing on finding halves, quarters and three quarters. A useful way to do this is to find fractions of shapes and to fold paper shapes into fractions. Please do message me on Dojo if you would like further ideas. I also have further worksheets relating to fractions that require printing - if you would like these please do send me a message on Dojo and I will send them to anybody who requests them.

Please also remember to use <https://www.topmarks.co.uk/maths-games/hit-the-button> and <https://www.timestables.co.uk/> to practice times tables as these are a key element of the Year 3 and Year 4 curriculum.

Extension activities:

Below are extra maths activities to practise and develop the skills from these lessons.

On line links-

- https://kids.classroomsecrets.co.uk/page/3/?s=fractions&post_type=page there are a few interactive activities for fractions, please use the year 3 activities. Alternatively if your child needs extra practice please use the year 2 resources or to extend your child the year 4 resources may be good
- <https://www.jumpstart.com/parents/worksheets/fractions-worksheets>
- It is a good idea to link fractions to division E.g. When you find half you divide by 2 etc. There are a lot of mental maths games to support this on https://www.mathplayground.com/grade_3_games.html
- There are some great resources to support maths games at home on <http://www.iseemaths.com/games-resources/>

- There are also lots of fractions games on <https://www.topmarks.co.uk/maths-games/7-11-years/fractions-and-decimals>

Fractions at home

When we talk about fractions, we talk about 'equal parts'. Try finding fractions of food e.g. a slice of pizza or cake can be $\frac{1}{4}$ / $\frac{3}{4}$

- If you have duplo or Lego, try building models using fractions of colours e.g. a bridge which is $\frac{1}{4}$ red and $\frac{3}{4}$ white etc.
- Look at liquid in a measuring jug-find $\frac{1}{2}$ litre/ $\frac{1}{4}$ of a litre. Try to do this with scales $\frac{1}{2}$ kg etc.
- If you have chalk, draw large flags with $\frac{1}{2}$ red $\frac{1}{4}$ blue $\frac{1}{4}$ green or use larger fractions.
- Draw a rectangle and split this into 10 equal parts and colour in $\frac{4}{10}$
- When discussing equivalent fractions it is useful to use a fraction wall as this is a visual representation of equivalent fractions. There is one included in your learning pack. Alternatively you can access it here:

<https://www.twinkl.co.uk/resource/t2-m-068-fractions-wall>

Password - UKTWINKLHELPS

Vocabulary-denominator, fraction, whole, numerator, vinculum, equivalent, tenths, part