## Planning Overview <br> Year 1 Fractions

Recognise, find and name a half as one of two equal parts of an object, shape or quantity Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity

|  | Teaching and Learning |
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| Introduction | Investigate halving using a balance. <br> Can you show me half of: <br> a block of playdough <br> a cup of sand <br> a pile of 10 compare bears <br> a tower of 12 cubes <br> an 8 numicon plate <br> a 10p coin <br> How do you know you have made halves? Do the children know any halves facts off by heart? Do they make the link back to the balance? |
| Recognise, find and name a half as one of two equal parts of an object or shape | Look at food items and different 2D shapes. Children need practical experience of cutting and folding objects and shapes in half. How many parts are there? Label each part with the word half. (NB: fraction notation $1 / 2$ is not part of year 1 curriculum). Ensure understanding that halves must be equal not just two pieces. In Year 1 it is acceptable to say they need to be the same shape and size. Children need to express the relationship to the whole. If the cake is the whole, this piece is half the cake. <br> Move onto looking at pictures that show objects that are split into 2 pieces. Sort into halves and not halves. <br> Image taken from NCETM - professional development materials |






|  | Origami Jeep |
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| Recognise, find and name a quarter as one of four equal parts of a quantity | Revisit folding a large, long rectangle into halves but this time fold each half into quarters to make a long bar split into 4 smaller rectangles which you can equally share a set of objects onto. What fraction is in each part? How many cubes are in each part? What is one quarter of 12? How do we work out the answer? <br> How would we draw that as a bar model? <br> Move onto recording using dots and make links to dividing by 4 if division has been taught already <br> Remind children of the halving wall. Draw the halving wall for 12 then explain that we now halve each half in the row below. If the top bar is the whole, what fraction do the numbers in the third row represent of the whole? |

