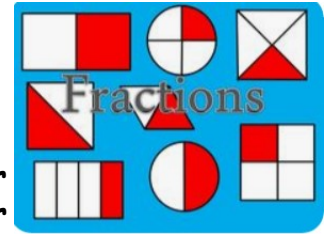


Marvellous Maths

Year 1:



This week we would like you to focus on fractions. The aim is for your child to recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.

1. In class, we have already learned about finding one half of an object, shape or quantity. We discussed how one half was dividing one shape, object, number into 2 equal shares and looked at how the denominator showed us how many pieces/shares we had to split them into, and the numerator how many pieces we would get. Show your child $\frac{1}{2}$ written as a symbol and recap what that means. Explain that today we will be finding $\frac{1}{4}$. Ask your child to work out how many pieces/shares we will need to split them into now? Using the shape template, ask your child to cut out each one (or you can do this for them) and fold the shape in half and then half again to find $\frac{1}{4}$. Your child should then colour $\frac{1}{4}$ of the shape in.
2. Remind your child of the fractions $\frac{1}{2}$ and $\frac{1}{4}$ and what those symbols mean. Today they will need to find $\frac{1}{4}$ of one object. This can be done either during mealtimes e.g. cutting a sausage into quarters, or make cakes and cut one into quarters to share out. Your child could also make a range of "food" using playdough and share one item out between 4 toys.
3. Finding a quarter of a number of moveable objects, by sharing out. Try doing some pizza making - have them put different toppings evenly across a pizza divided into 4 equal sections. Then encourage them to work out, for example, if they've put 16 olives evenly on the pizza and cut the pizza into 4 even pieces, how many olives on each? Or 12 bits of pineapple, or 24 bits of pepperoni? Remember you can always use a frozen pizza and rearrange/ add bits). Or perhaps use a giant Chocolate bar that is marked out in sections as another good edible resource. Ask your child to say how many sections would make up one quarter of the bar. Can they divide it into quarters again? Ask them to find, for example, a quarter of the remaining piece for their friend to eat. (Equally, if you're not having pizza for tea, or have run out of chocolate, you could try counting your socks and finding a quarter of them by sharing them out amongst 4 Teddies).
4. Finding a quarter of a number of moveable objects: Fair Share Picnic— perhaps you could have a "Picnic" for lunch? The object is working out how to share a number of items between four friends going on a picnic (include a Teddy if necessary!) — play with either real or pretend food, though real is good in case of having to cut something up to share fairly! Include a couple of more challenging ideas—eg three cupcakes between 4 people, so that the children understand that the starting number is not always a single 'one' cake.
5. Watch the quarters video found on Twinkl at <https://www.twinkl.co.uk/resource/t-n-2545030-fractions-quarters-video> Then try a fractions worksheet—found on Twinkl at <https://www.twinkl.co.uk/resource/tp-n-039-finding-quarter-differentiated-home-learning> (choose a *, ** or *** differentiated activity). Or try an online fractions quiz, found at: <https://www.educationquizzes.com/ks1/maths/year-1-fractions-quarters/>

