

Lesson 4 – Recognising a quarter






<https://whiterosemaths.com/homelearning/year-2/>

I hope you have a cheesecake at home to support this lesson! I'm all out 😞 Use your child's sense of fair play to reinforce the idea of equal parts, only this time 4 equal parts. You can show how the notation of $\frac{1}{4}$ relates to one part out of 4 equal parts.

If you're not able to print the worksheets or would prefer to work practically, try the following ideas:

- Share a cake/pizza equally amongst your family – if you have 4 people in your family that's lucky because you're doing quarters! If you have more or less people, you still need equal parts, which fraction are you making?
- Folding cut out shapes or colouring drawn shapes into quarters. Investigate how many different ways there are to split a shape into quarters.
- Can you find pictures in magazines or newspapers that you can cut into quarters? Was this easy? Why/why not?
- Cut out a shape and secretly cut it into quarters and hide your three quarters. Give the quarter to your child, can they recreate the missing quarters and compare it with the missing part that you hid earlier?
- Draw challenges for each other: draw a quarter of a shape and your opponent has to draw the rest of the shape.

Extension activity:

<p>True or False?</p> <p>$\frac{1}{4}$ of the shape is shaded.</p>  <p>Explain your answer.</p>	<p>Children will need to split the shape into four equal parts in order to show that this is true.</p>  <p>Giving children paper to fold will help them understand this concept.</p>	<p>Alex is folding two identical paper strips.</p>   <p>I think $\frac{1}{4}$ of the strip will be bigger than $\frac{1}{2}$ of the strip because 4 is bigger than 2</p> <p>Use paper strips to prove Alex is incorrect.</p>	<p>Possible answer:</p> <p>When the whole is the same, one quarter will be smaller because it is one of four equal parts compared to a half which is one of two equal parts.</p> 
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