## **Number and Algebra:** Fractions and Decimals: Half of a Shape

## Australian Curriculum

This lesson plan could be used to support the teaching and learning of the following Content Descriptions from the Australian Curriculum.

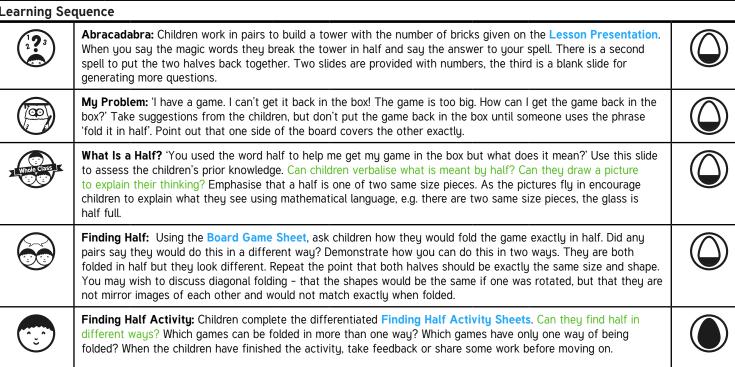
<u>Y1 - Number and Algebra, Fractions and Decimals</u>

Recognise and describe one-half as one of two equal parts of a whole (ACMNA016)

Child-Friendly Aim: I can find $\frac{1}{2}$ of a shape.	Success Criteria: I can find $\frac{1}{2}$ of a shape. I can explain that $\frac{1}{2}$ is 1 of 2 same size pieces. I can find $\frac{1}{2}$ in different ways. I can explain why 2 halves make the whole shape.	Resources: Lesson Pack A board game that folds in half Whiteboards and markers
<b>Key/New Words:</b> Whole, half, $\frac{1}{2}$ , $\frac{2}{2}$ .	Preparation: Differentiated Finding Half Activity Sheets - one per child Board Game Sheet - as required	

Prior Learning: It will be helpful if children are familiar with the language of 'half' and 'sharing'.

## Learning Sequence





Children cut out and fold shapes into halves, draw a line on the fold and stick them into books. Encourage discussion on naming the halves, emphasising that the pieces are the half not the fold. Provide pre-cut shapes for this group if necessary.



Children work in pairs to cut out and fold shapes into halves, drawing a line on the fold and stick them into the correct place on the sheet. Encourage discussion about the shapes and the different folds.



Children work individually to cut out and fold shapes into halves, drawing a line on the fold and stick them into the correct place on the sheet. Encourage discussion about the shapes and the different folds.



Two Halves Make a Whole: Talk through these slides to model that two halves make one whole. Encourage children to describe what they can see, e.g. half of the shape is yellow and half is red. Two halves are coloured in, that makes one whole.





## **Master**it

Turnit: In the hall, ask children to make half turns on their feet, backs or bottoms, demonstrating that two half turns equal one full turn.

Matchit: Cut some large shapes in half and get the children to find two identical pieces to make the whole shape.

Bakeit: Bake different shaped biscuits or buns and invite children to cut them into equal halves before they eat them.

Playdoughit: Children make playdough models of different shapes and sizes, and cut them in half. Swap with a partner to match them back

together.

Geoboardit: Get the children to explore making shapes with elastic bands. Can they halve the shape using a different coloured band?

