# Number and Algebra: Fractions and Decimals: Half in Different Ways 

## Australian Curriculum

This lesson plan could be used to support the teaching and learning of the following Content Descriptions from the Australian Curriculum.
Y1 - Number and Algebra, Fractions and Decimals
Recognise and describe one-half as one of two equal parts of a whole (ACMNA016)

| Child-Friendly Aim: <br> I can find different ways to make half. | Success Criteria: <br> I can find $\frac{1}{2}$ of a quantity. <br> I can find $\frac{1}{2}$ in different ways. <br> I can explain why 2 halves make 1 whole. | Resources: <br> Lesson Pack <br> Small manipulatives |
| :--- | :--- | :--- |
|  | Key/New Words: <br> Whole, half, $\frac{1}{2}$, equal size. | Preparation: <br> Rocket Riddle Activity Sheet -1 per child |
| Rocket Windows Sheet -1 per child |  |  |
| Print one Rocket Riddle Activity Sheet A3 and <br> cut out three rocket windows from the Rocket <br> Windows Sheet for each member of the LA group |  |  |

Prior Learning: It will be helpful if children understand that half is one of two equal sized pieces or groups.

## Learning Sequence

Sharing: Lisa and Ben are sharing all the objects they found on a treasure hunt. Can the children work out how
many of each object they will get each? Provide small manipulatives to support working out. Do children know any
halves? Can they predict how many Lisa and Ben will get each?

Half Blue, Half Red: How many children are there altogether? How many will be wearing red? How many will be wearing blue? Invite children to click to change the colours of the jumpers, emphasising that it does not matter how they are arranged.

## Masterit

Buildit: Make different sized towers from linking cubes or building bricks which are half one colour and half another.
Grabit: Play in the hall or playground. Spread out different coloured cones and shout an instruction such as 'half yellow'. Children then have to work in groups to grab cones so they have the arrangement you have asked for.
Paintit: Paint dotty pictures where half the dots are one colour and half another.
Cookit: Use play food to create a meal that is half red, half yellow or half one sort of vegetable and half another.
Decorateit: Bake or buy buns or biscuits. Make halves the theme for decorating them; half blue icing, half red icing, half pink marshmallows, half white, etc.
Constructit: Using any construction materials available (e.g. marble runs, building bricks) construct something which is half a designated colour.
Pictureit: Make pictures using materials such as coloured art straws, pipe cleaners, magnetic letters or numbers, threading or lacing pegboards and pegs, 2D shapes or 3D objects. Find different ways to use half of one coloured material. Take photos for use in future mental and oral starters.

