# Fractions: Doughnut Decimals 

Aim:
Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.

I can recognise thousandths and use them as decimals and fractions.

| Success Criteria: <br> I can identify thousandths. <br> I can write decimal numbers with thousandths as <br> fractions using a denominator of one thousand. | Resources: <br> Lesson Pack |
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| Whiteboards and pens - class set |  |
| Key/New Words: <br> Thousandth, hundredth, tenth, equivalent, decimal. | Preparation: <br> Doughnut Decimals Activity Sheets - one per child <br> Doughnut Decimal Loop Cards - one per group |

Prior Learning: It will be helpful if children have a good understanding of the relationship between tenths and hundredths.

## Learning Sequence

Thousandths: Use the text and images displayed on the Lesson Presentation to remind the children that numbers that
have digits to the right of a decimal point are numbers between whole numbers. Rehearse the decimal place value positions
of tenths and hundredths and introduce the place value position of thousandths using base ten equipment.
Decimal Hundredths: Use the counting stick on the Lesson Presentation to rehearse counting forwards and backwards
in different steps of decimal hundredths.
Presentation. Clarify the role of the place-holding zeros: that there is nothing in the column, but we still need to show the

ones and tenths to give value to the hundredths column. | Decimals as Fractions: Use the text and images displayed on the Lesson Presentation to practise reading and writing |
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| decimals including thousandths as fractions with a denominator of ten, one hundred or one thousand. Emphasise decimal |
| equivalence between tenths, hundredths and thousandths. |

## Exploreit

Matchit: Using the Tenths, Hundredths and Thousandths Cards take it in turns to turn over two cards to try and find equivalent fractions. Some of the thousandths fractions don't have a match. These can either be removed or could be kept by children who identify them as having no tenth or hundredth equivalent.
Compareit: Select two of the Tenths, Hundredths and Thousandths Cards and write a comparison statement about them using the greater than or less than symbols.


