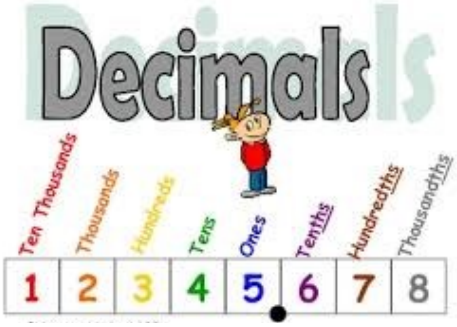
Yattendon School

Topic: Number: Decimals	Year: 4	Strand: Decimals

What should I already know?

Previous learning that will help you with this unit of work:

- Recognise and use tenths
- Divide one digit numbers by 10



Key Vocabulary

Place value	The value represented by a digit in a number on the basis of its position in the number.
Decimal	This is a way of writing a number that is not a whole. Decimal numbers are 'in between' numbers. For example, 10.4 is in between the numbers 10 and 11.
Fraction	A small part, amount or proportion of a number.
Divide	The method of distributing a group of things into equal parts. It gives us a fair result of sharing.
Numerator	The top part of a fraction that represents how many parts of that whole number.
Denominator	The bottom part of a fraction that represents the total number of parts created from the whole.
Tenth	Tenths come from splitting a whole into 10 equal parts.
Hundredth	Hundredths come from splitting a whole into 100 equal parts.

What will I know by the end of the unit?

What is 1/4 as a decimal?	0.25
What is 1/2 as a decimal?	0.5
What is 3/4 as a decimal?	0.75
How many hundredths are equal to one tenth?	Ten (Ten hundredths)
On a place value grid, what never moves?	The decimal point
Why do we need to use the decimal point?	The decimal point is used to separate the whole part of a number from the fractional part.

Real life context

- To write amounts of money (£1.99)
- When baking or on food packaging to show weight (1.5kg of flour)
- When looking at the length of something (1.45km)

Objectives

To recognise and write decimal equivalents of any number of tenths or hundreds.

To recognise and write decimal equivalents to 1/4, 1/2, 3/4.

To find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.

To round decimals with 1 decimal place to the nearest whole number.