## Fractions



## Decimal Numbers

as Fractions

## Aim

- I can read and write decimal numbers as fractions.


## Success Criteria

- I can explain the place value position of decimal numbers using the vocabulary of tenths and hundredths.
- I can write a decimal number as a fraction.
- I can use Venn and Carroll diagrams to sort decimal numbers.






## Decimal Numbers



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## Decimal Numbers

## Let's explore the place value of a decimal number.

Any digit immediately to the right of the decimal point is a tenth.


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Any digit immediately to the right of the decimal point is a tenth.
$0.9=$
10

## Decimal Numbers

Let's explore the place value of a decimal number.
Any digit immediately to the right of the tenth column is a hundredth .

## Ones Tenths Hundredth

$0.35=\frac{35}{100}$ This decimal $\begin{aligned} & \text { This decimal } \\ & \text { number has } \\ & \text { number has five } \\ & \text { three tenths. } \\ & \text { hundredths. }\end{aligned}$

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## What's My Number?

Sit back to back with your partner, so that one of you can see the whiteboard and the other one can't.

The person facing the whiteboard will have 30 seconds to describe the decimal number shown on the board using the language of tenths and hundredths.

Score 1 point if the other person writes the correct fraction equivalent on their individual whiteboard.

Swap roles for the next round.


## Place Value Disco

## Placed around the room are four different place value posters: <br> Tens, Ones, Tenths and Hundredths.

We are going to use these place value posters to play a game.

The whole class should stand in the centre of the room.

When the music plays, you can move around the room.

When the music stops, you should move to stand at one of the place value posters.

When the music stops a decimal number will be shown on the board. If the highlighted digit in this number is in the place value column of the station you chose to stand at, you score a point. Keep track of your own points.

Who will earn the most points?


## Place Value Disco

## Round 2



## Place Value Disco



## Round 3







