

Year 6 Maths Home Learning Resources
Term 5, Week 2 – Decimal Place Value

Recap, explore and deepen your learning

Here are some games and activities for you to try.

They will help you to practise and explore your understanding of decimal place value.

Decimal Go Large: You can play with game with 2 or more players.

You will need a place value chart, like the one shown, on a piece of paper and a dice or some digit cards (you can make these by writing digits 0-9 on pieces of paper).

Ones	Tenths	Hundredths
1	1/10	1/100

Take it in turns to throw a dice or select a digit card and choose which column to put it into. Once placed, the digit cannot be moved.

Throw again, or choose a card, to find another digit and place it in a different column.

Repeat so that you have a decimal number with ones, tenths and hundredths (e.g. with the numbers 5, 2 and 4 you could have made 2.54, 2.45, 4.25, 4.25, 5.24 or 5.42).

The player with the biggest number wins the point. The winner is the first to score 5 points.

You can extend the board to 3 decimal places and choose 4 digits instead of 3.

Here are some other games and activities that you can find online:

Interactive decimal place value chart:

<http://www.ictgames.com/mobilePage/decimalDemonstrator/>

Nice or Nasty (with decimals – games 4 and 5): <https://nrich.maths.org/6605>

Round the Dice decimals: <https://nrich.maths.org/10438>

and <https://nrich.maths.org/10428>

Match the decimals and percentages on a number line:

<http://fluencychallenge.com/play/play-claw.html>

Comparing decimals game: <http://fluencychallenge.com/play/play-claw.html>

Ordering decimals game: <https://www.bbc.co.uk/bitesize/topics/zsjqtfr/articles/zsbd7p3>

Spiralling decimals: <https://nrich.maths.org/10326>