

Place Value Activity

A paired activity to help students understand that the place (position) of a digit changes its value.

Resources: One set of place value headings from page 2, for each student.
One set of number cards page 3, per pair of students.

Copy the place value sheet and the numbers sheet on to stiff card. Cut into individual cards (laminates if possible).

Objective of the game is to create a number bigger (or smaller) than your opponent.

Instructions

(Give out place value heading cards at the appropriate level for your students).
Students first lay out their place value cards in the correct order in front of them.
The set of numbers cards is shuffled and laid face down.
Taking it in turns the students take a card from the pile and place it under one of their place value cards.
They continue selecting cards until all the positions are filled.
When filled they compare their numbers and agree who has won.
The game can then be repeated.

Variations

1. Use 2 dice and subtract or add them to get their number. If you get 2 sixes then you miss a go.
2. Use a die to decide in which position the number card must be placed. 1 = units 2= tens etc.
3. As above but if just using tens and units then odd numbers = tens, and even numbers = units.
4. You could print a set of numbers on different coloured card and require that this colour must sit in a given place – i.e. in the highest/lowest value position.

This resource was kindly contributed by Jean Thomas (The Henley College) jean@jeanthomas.co.uk

N1/L2.1 Read, write, order and compare positive and negative numbers of any size. **N1/L1.1** Read, write, order and compare numbers, including large numbers. **N1/E3.1** Count, read, write, order and compare numbers up to 1000. **N1/E2.2** Read, write, order and compare numbers up to 100.

Place Value Headings – one set per student

M	HTh	TTh	Th
H	T	U	

M	HTh	TTh	Th
H	T	U	

M	HTh	TTh	Th
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Number Cards – one set per pair of students (if using only hundreds, tens and units remove some of the zeros).

0	0	0	0	0
1	2	3	4	5
6	7	8	9	1
2	3	4	5	6
7	8	9	2	5
7	8	0	0	0

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