

Ordering Indices

Preparation:

- Photocopy the cards and cut them
- Arrange the students into small groups.

The Activity

- Students place the cards in ascending order according to their numerical value
- Groups then compare their list and discuss any differences until they come to a consensus.
- Students should then be asked to insert extra cards in between each pair using index notation.

$25^{-\frac{1}{2}}$	$\left(\frac{1}{5}\right)^{-2}$	$16^{\frac{1}{2}}$
$\left(\frac{1}{2}\right)^{-1}$	$9^{\frac{3}{2}}$	8^{-2}
$27^{\frac{2}{3}}$	$2^{\frac{3}{2}}$	4^0
$125^{\frac{1}{3}}$	$\left(\frac{4}{9}\right)^{-1}$	3^{-1}