Laws of Indices

1. $a^x \times a^y = a^{x+y}$

2. $a^x \div a^y = a^{x-y}$

3. $a^0 = 1$

4. $a^{-x} = \dfrac{1}{a^x}$

5. $(a^x)^y = a^{x \times y}$

6. $a^{\frac{x}{y}} = \sqrt[y]{a^x}$

Note: Indices are sometimes called powers.

Support: Study Development offers workshops, short courses, 1 to 1 and small group tutorials.

- Join a tutorial or workshop on the Study Development tutorial and workshop webpage or search 'YSJ study development tutorials.'

- Access our Study Success resources on the Study Success webpage or search 'YSJ study success.'