# YEAR 8 - ALGEBRAIC TECHNIQUES..

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## Indices

## What do I need to be able to do?

Bu the end of this unit you should be able to:

- Odd/ Subtract expressions with indices
- Multiply expressions with indices
- Divide expressions with indices
- Know the addition law for indices
- Know the subtraction law for indices

### Keywords

Base: The number that gets multiplied by a power

**Power**: The exponent — or the number that tells you how many times to use the number in multiplication. **Exponent**: The power — or the number that tells you how many times to use the number in multiplication

**Indices**: The power or the exponent.

Coefficient: The number used to multiply a variable

Simplifu: To reduce a power to its lowest term

**Product**: Multiply

#### Oddition/Subtraction with indices Coefficient Each square $5x^{2} + 4x^{4}$ represents $x^2$ and A D each cube. Term Term represents x4 Expression Only similar terms can be simplified If they have different powers, they are unlike terms







