@whisto maths

Indices

What do I need to be able to do?

By 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

l 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

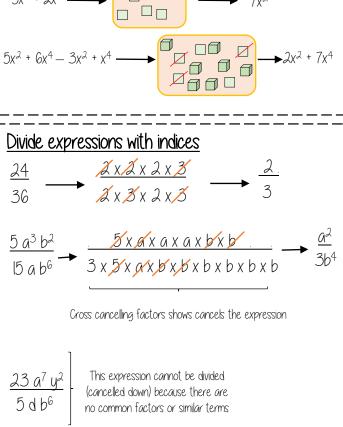
I **Indices**: The power or the exponent.

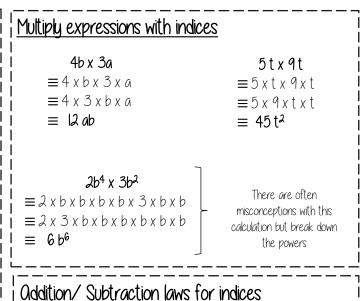
Coefficient: The number used to multiply a variable

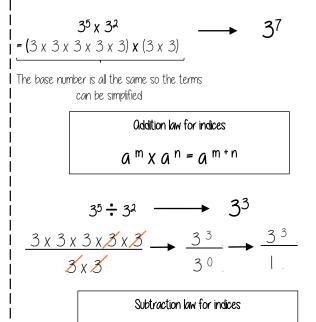
Simplifu: To reduce a power to its lowest term

Product: Multiply

Oddition/ Subtraction with indices Coefficient Power $5x^2 + 4x^4$ Term Term Expression Only similar terms can be simplified If they have different powers, they are unlike terms $5x^2 + 2x^2$ $7x^2$ $5x^2 + 6x^4 - 3x^2 + x^4$







 $a^m \div a^n = a^{m-n}$