YFAR 8 - ALGEBRAIC TECHNIQUES.

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

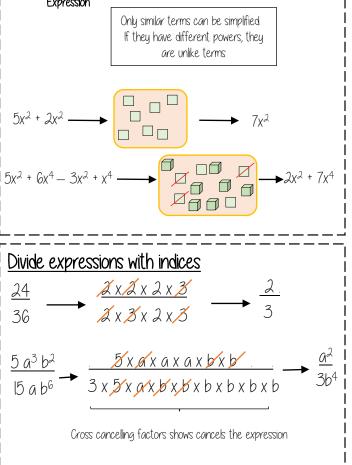
Indices: The power or the exponent.

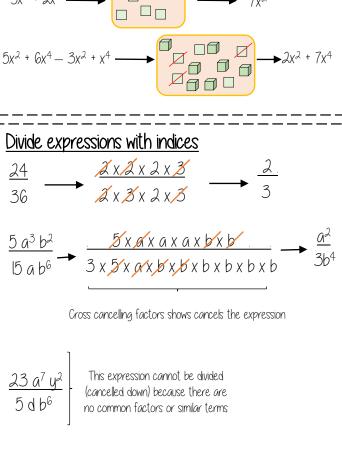
Coefficient: The number used to multiply a variable

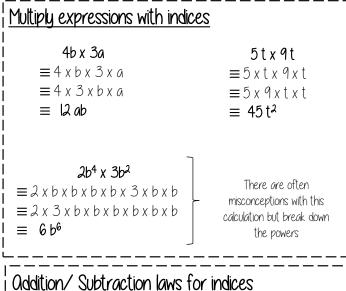
Simplifu: To reduce a power to its lowest term

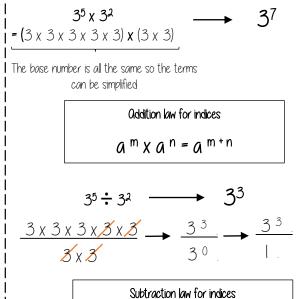
Product: Multiply

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









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