Year 7 – Maths Knowledge Organiser Spring 2023.2024

Operations and equations with directed number

What do I need to be able to do?

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

- Perform calculations that cross zero
- Odd/ Subtract directed numbers
- Multiply/ Divide directed numbers
- Evaluate algebraic expressions
- Solve two-step equations
- Use order of operations with directed number

Keywords

Subtract: taking away one number from another.

Negative: a value less than zero.

Commutative: changing the order of the operations does not change the result

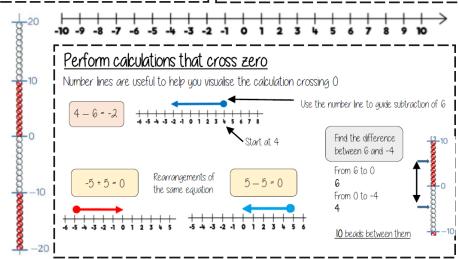
Product: multiply terms

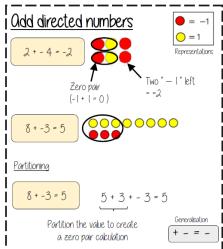
I I Inverse: the opposite function

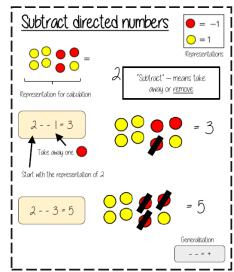
I | Square root: a square root of a number is a number when multiplied by itself gives the value (symbol 🕡)

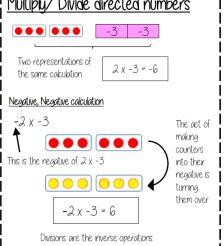
Square: a term multiplied by itself.

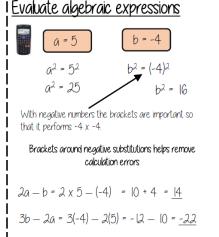
Expression: a maths sentence with a minimum of two numbers and at least one math operation (no equals sign)













What are positive and negative numbers?



How to add positive and negative numbers.



How to multiply positive and negative numbers.