

Knowledge Organiser: Mathematics Year 7 Spring 2

What do I need to be able to do?

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

- Convert between mixed numbers and fractions
- Odd/Subtract unit fractions (same denominator)
- Odd/Subtract fractions (same denominator)
- **Odd/Subtract fractions from integers**
- Use equivalent fractions
- **Add/Subtract** any fractions
- Add/Subtract improper fractions and mixed numbers
- Use fractions in algebraic contexts



Numerator : the number above the line on a fraction. The top number. Represents how many parts are taken Denominator: the number below the line on a fraction. The number represent the total number of parts Equivalent: of equal value

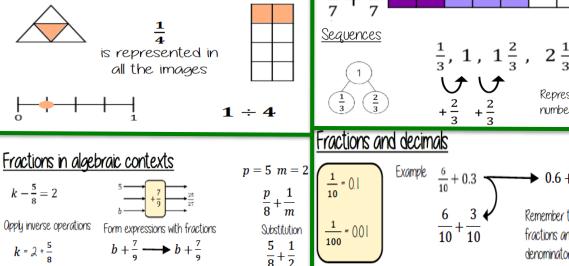
Mixed numbers: a number with an integer and a proper fraction

Improper fractions: a fraction with a bigger numerator than denominator

Substitute: replace a variable with a numerical value

Place value: the value of a diait depending on its place in a number. In our decimal number sustem, each place is 10 times bigger than the place to its right

Representing Fractions



In this model 5

whole

 $\frac{1}{12} + \frac{1}{12} -$

1

3

parts make up a

