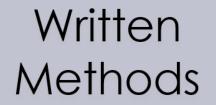
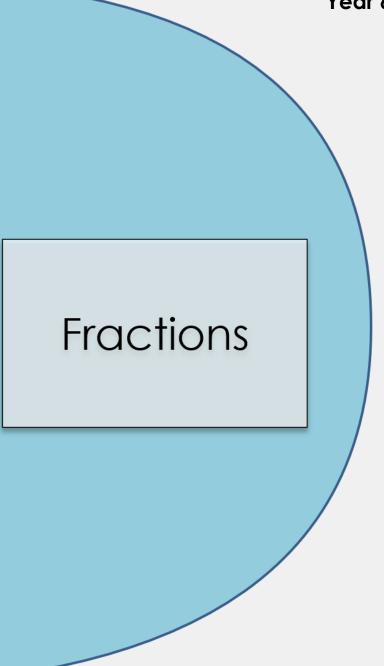


Calculating
using
Knowledge of
Structures

- Explore how different parts can be equivalent to the same whole.
- Identify missing parts using knowledge of part whole models
- Calculate the value of a missing part
- Represent an equation using a part-whole model
- Explore the same difference rule
- Explain how increasing or decreasing the minuend affects the difference
- Solve subtraction calculations mentally using known facts
- Explore strategies to support with mental calculations
- Explain how increasing or decreasing the subtrahend affects the difference
- Ocalculate the difference using their knowledge of an adjusted subtrahend



- Add and subtract integers
- Multiply up to a 4-digit number by a 2-digit number
- Short division
- Division using factors
- Long division
- Oommon factors
- Oommon multiples
- Primes to 100
- Squares and cubes
- Order of operations
- Mental calculations and estimation
- Reasoning from known facts



Simplify fractions.

Fractions on a number line

Compare and order fractions

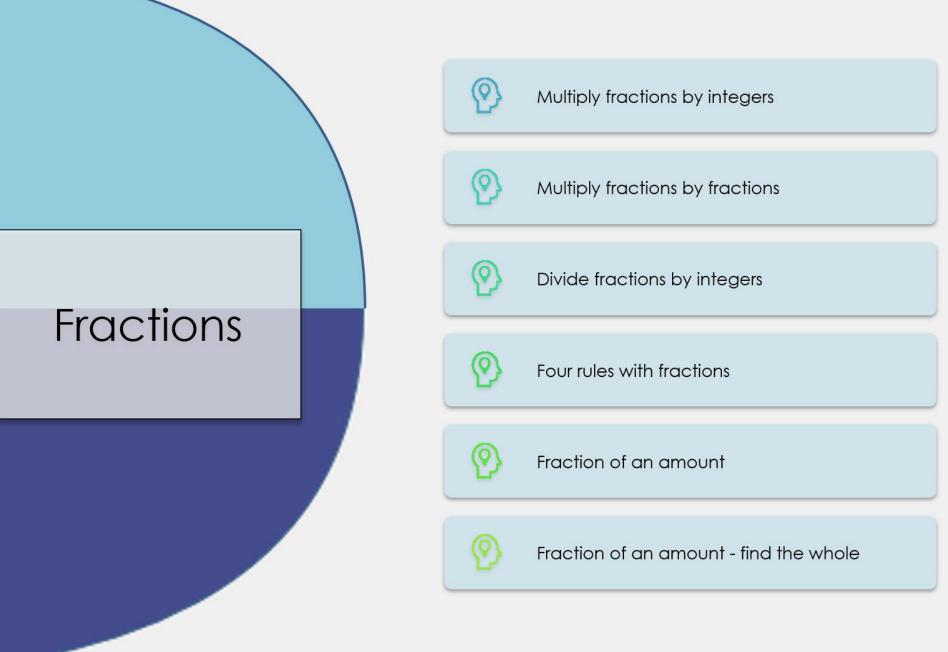
Add and subtract fractions

Add mixed numbers

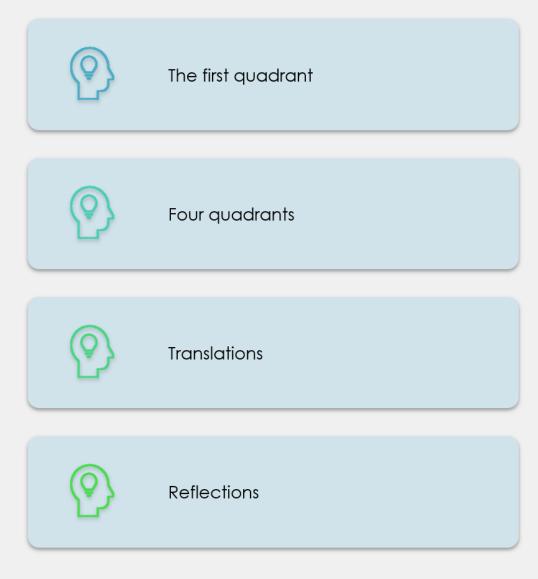
Subtract mixed numbers

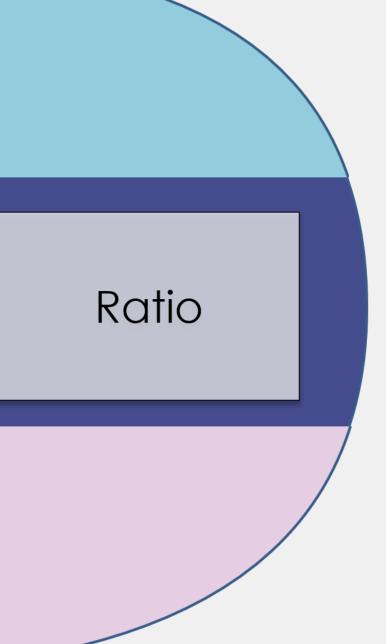
Mixed addition and subtraction

Problem solving with fractions



Position and Direction





Use ratio language

Ratio and fractions

Introducing the ratio symbol

Calculating ratio

Using scale factors

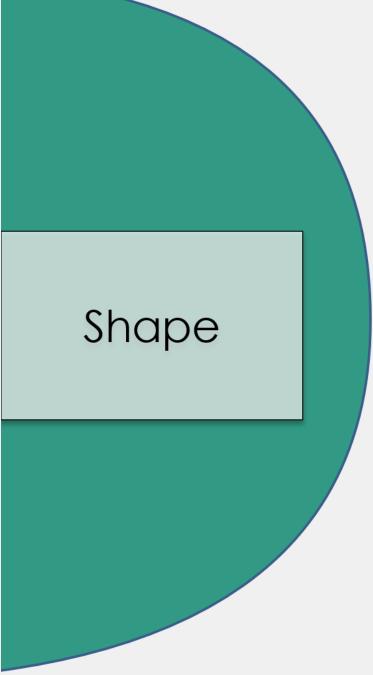
Calculating scale factors

Ratio and proportion problems

Year 6 Mathematics Overview Three decimal places Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000 Multiply decimals by integers **Decimals** Divide decimals by integers Division to solve problems Decimals as fractions Fractions to decimals

Fractions,
Decimals and
Percentages

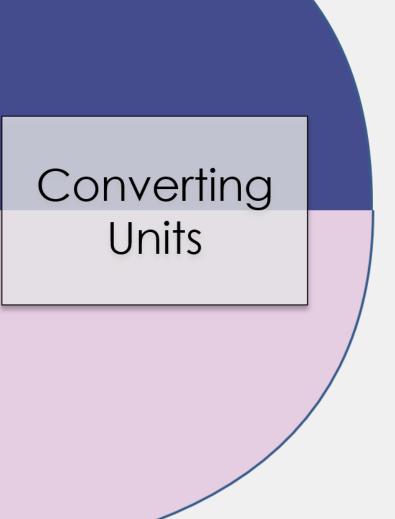




- Compare and classify geometric shapes based on their properties and size
- Calculate angles
- Vertically opposite angles
- Angles in a triangle
- Angles in special quadrilaterals
- Angles in regular polygons
- Draw shapes accurately using given dimensions and angles

Perimeter, Area and Volume









Read and interpret line graphsDraw line graphs

Use line graphs to solve problems

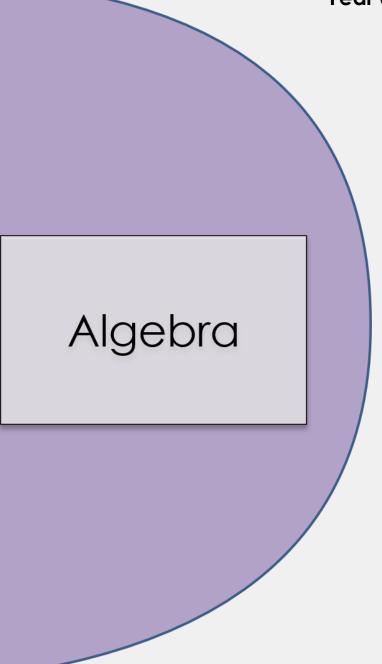
? Circles

Read and interpret pie charts

Pie charts with percentages

Oraw pie charts

The mean



Find a rule - one step

Find a rule - two step

Porming expressions

Substitution

🤥 Formulae

Porming equations

Solve simple one-step equations

Solve two-step equations

Pind pairs of values