

# Year 7 Maths

## Topic 5 Fractions



Students are learning about Fractions at this point in Year 7 because it is a key number and life skill that will be used again and again throughout Years 7-11.

Previous topic: Factors and Multiples

Next topic: Solving Equations

Next Number Topic: Percentages

### Core knowledge/skills/concepts

- Shading fractions of shapes
- Adding and subtracting fractions with common denominators
- Finding the reciprocal of a number
- Fractions of amounts
- Simplifying fractions
- Equivalent fractions
- Adding and subtracting fractions with different denominators
- Multiplying and dividing fractions

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### Essential vocabulary

denominator  
equivalent  
fraction  
improper fraction  
mixed number  
numerator  
proper fraction  
reciprocal

### Threshold concepts

- Adding and subtracting fractions with common denominators
- Finding the reciprocal of a number
- Fractions of amounts
- Simplifying fractions
- Equivalent fractions
- Adding and subtracting fractions with different denominators
- Multiplying and dividing fractions

### Opportunities for reading

### How and when will the core learning be assessed?

Mid-topic Assessment, End of Topic Assessment, Assessment 2 (January) and Assessment 3 (May)

### Links to other topics/subjects

Fractions has a strong link to Percentages (Topic 8) and in Key Stage 4 students will learn about Algebraic Fractions. Number Topics in Year 8 include: Indices; Fractions, Decimals and Percentages.