

# MATHEMATICS Y7 - TERM 1.1

## I DEVELOP FLUENCY

- I can multiply and divide positive and negative integers confidently
- I can convert between fractions, decimals, and percentages accurately
- I can use known percentage values (10%, 25%, 50%) to calculate amounts
- I can change between metric units (mm, cm, m, g, kg, etc.) and use exchange rates

## I REASON MATHEMATICALLY

- I can explain why multiplying two negatives gives a positive
- I can compare fractions and percentages and explain which is greater
- I can justify the steps I take when converting between units
- I can use bar models or number lines to explain value relationships



## I SOLVE PROBLEMS

- I can solve real-life problems using percentage discounts or increases
- I can calculate totals when converting currencies in worded contexts
- I can scale quantities in recipes using ratio
- I can apply operations to solve problems involving temperature changes

## I INTERPRET MATHEMATICALLY

- I can read and use number lines involving negative values
- I can interpret bar models and pie charts that show part-whole relationships
- I can extract data from tables involving measurements and prices
- I can explain what a percentage or rate means in a real-life context

## I READ

[Multiplying and dividing - KS2 Maths - BBC Bitesize](#)

[Negative numbers - BBC Bitesize](#)

[Fractions For Kids: How To Teach Your Child Fractions At Home](#)

[Length and distance - KS2 Maths - BBC Bitesize](#)

[How to calculate percentages - BBC Bitesize](#)

[Ratio - KS3 Maths - BBC Bitesize](#)

## I LEARN

- Multiplication and Division of Integers
- Negative Numbers
- Fractions, Decimals and Percentages
- Conversion
- Percentages of Amounts
- Ratio
- Currency Conversion