



Course Content

The second term of Year 8 Mathematics course aims to cover chapters 13-19 of the Book 2 from Oxford International Maths for Cambridge Secondary 1 series. In Chapter 13 students will learn about calculations with fractions, decimals and percentages using equivalence between them and solving problems involving percentages of quantities. In the next unit, Sequences, functions and graphs, students will learn generating sequences using term-to-term rule as well as position-to-term rule and using linear expression to describe the n th term. They will also learn plotting the graphs of linear functions.

In Chapter 15, we learn about various transformations, such as reflection, rotation, translation and also ways to combine them. Moving on, there's Ratio and proportion as our next topic, students will get to know about simplifying ratios and using unitary method to solve problems.

Chapter 17 contains the knowledge about deriving and using formulas for the area of various 2D shapes and using simple nets of solids to work out their surface areas. Next on the list, the Probability chapter will explain students what is an experimental probability and how to know the chances of various things happening, including your chances to win the lottery! Chapter 19, Vectors and matrices, will be followed by an end-of-term exam.

Resources

1. Oxford International Maths for Cambridge Secondary 1 - Book 2, chapters 13-19 (Pp. 202-317)
2. www.myimaths.com
3. Teacher created resources

Assessment

- Homeworks and assignments: 20%
- Quizzes: 30%
- Term test: 50%