

Year 11 · 11.1 Conditional Probability — Learning objectives

What students should be able to do by the end of this unit.

Sets and Venn Diagrams

1. I can identify number sets, understand interval notation, subsets and complements.
2. I can use Venn diagrams to represent union and intersection of sets, and solve related problems.

Probability

3. I can understand experimental and theoretical probability.
4. I can determine sample spaces; use compound events with tree diagrams and two-way tables.
5. I can understand and calculate conditional probability.
6. I can identify and test for mutually exclusive and independent events.

Counting Techniques

7. I can understand factorial notation, permutations and combinations. (enrichment)
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