

# Checklist

## What you should know

By the end of this subtopic you should be able to:

- construct a Venn diagram to illustrate the outcome of two or three related events
- construct a tree diagram to illustrate outcomes of consecutive events
- identify the sample space for a random experiment
- recognise notation indicating intersection, union, complement and given events
- understand the difference between dependent and independent events and the difference in how their probabilities are calculated
- use conditional probability to calculate the probability of an event given that another event has occurred.

