

# Stage 10 – Understanding Risk



## WHAT DO WE ALREADY *know*?

- Know when to add two or more probabilities, or to multiply.
- **Convert between fractions, decimals and percentages.**
- Use a tree diagram to calculate probabilities of dependent and independent combined events.



- Understand and use the product rule for counting
- **Use Venn diagrams to represent probability situations**
- Use two-way tables to represent probability situations
- **Solve probability problems involving combined events**

- Outcome
- Event
- Independent
- Dependent
- Theoretical
- Experimental
- Random
- Bias
- Enumerate
- Conditional

<u>Year 10 – Understanding Risk</u>	Before Topic	After Topic	Teacher Mark
Apply the product rule for counting			
Understand set notation used with Venn diagrams: $U, \cap, \emptyset, \xi$			
Use a Venn diagram to calculate theoretical probabilities			
Use a two-way table to sort information in a probability problem			
Use a two-way table to calculate theoretical probabilities			
Calculate conditional probabilities using different representations			