Student’s comments or questions

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| **H Unit 3: Probability** | **Year 10 Road Map** |
| In this unit you will learn about probability. The aims are as follows:**LG1**: Knowledge **LG2**: Application **LG3**: SkillsAssessment Grade: |
|  | **Learning Goals/Outcomes/Content** | Video clips | R A G |  |  |
| 1 | Write probabilities using fractions, percentages or decimals; | 59 |  |  |  |
| 2 | Understand and use experimental and theoretical measures of probability, including relative frequency to include outcomes using dice, spinners, coins, etc; | 59, 125 |  |  |  |
| 3 | Estimate the number of times an event will occur, given the probability and the number of trials; | 125 |  |  |  |
| 4 | Find the probability of successive events, such as several throws of a single dice;  | 204 |  |  |  |
| 5 | List all outcomes for single events, and combined events, systematically;  | 58 |  |  |  |
| 6 | Draw sample space diagrams and use them for adding simple probabilities; | 126 |  |  |  |
| 7 | Know that the sum of the probabilities of all outcomes is 1;  | 60 |  |  |  |
| 8 | Use 1 – *p* as the probability of an event not occurring where *p* is the probability of the event occurring;  | 60 |  |  |  |
| 9 | Work out probabilities from Venn diagrams to represent real-life situations and also ‘abstract’ sets of numbers/values; | 127a, 185 |  |  |  |
| 10 | Use union and intersection notation;  | 127b |  |  |  |
| 11 | Find a missing probability from a list or two-way table, including algebraic terms; | 61 |  |  |  |
| 12 | Understand conditional probabilities and decide if two events are independent;  | 204 |  |  |  |
| 13 | Draw a probability tree diagram based on given information, and use this to find probability and expected number of outcome;  | 151 |  |  |  |
| 14 | Understand selection with or without replacement;  | 175 |  |  |  |
| 15 | Calculate the probability of independent and dependent combined events;  | 151, 175 |  |  |  |
| 16 | Use a two-way table to calculate conditional probability;  | 61 |  |  |  |
| 17 | Use a tree diagram to calculate conditional probability;  | 175 |  |  |  |
| 18 | Use a Venn diagram to calculate conditional probability; | 185 |  |  |  |
| 19 | Compare experimental data and theoretical probabilities; | 125 |  |  |  |