

## Summer 2017 HL Math Assignment – Review of Basic Statistics & Probability

Note: All assignments are from the IBID/Cirrito Textbook

### Manipulation and Presentation of Statistical Data (Topic 5.1)

Link to Video Resources & Explanations (should you need them):

<http://www.onlinemathlearning.com/statistics.html>

or [ibmathsresources probability and stats playlist](#)

Discrete & Continuous Data	Ex 13.1 – Discrete & Continuous Data – Q1-5 on page 456
Presenting Data: Frequency Diagrams	Ex 13.2 – Frequency Histograms – Q1-3 on pages 459-460
Statistical Measures – Central Tendencies	Ex 13.3 – Mean, Median, Mode – Q1-6 on pages 462-3
Statistical Measures – Measures of Spread (quartiles)	Ex 13.5 – Quartiles & Box plots – Q1-6 on pages 471-472
Statistical Measures – Measures of Spread (variance & standard deviation)	Ex 13.4 – Variance & Standard Deviation – Q1-3 on page 467
REVIEW	Ex 13.6 – Miscellaneous Exercises – do some/any/all of Q1-16 on pages 473 - 476

### Counting principles, including permutations and combinations. (Topic 1.3)

Link to Video Resources & Explanations (should you need them):

<http://www.onlinemathlearning.com/math-probability.html>

or [ibmathsresources probability and stats playlist](#)

Counting principles: permutations	Ex 14.1 – Permutations – some/any/all of Q1-15 on pages 483-4
Counting principles: combinations.	Ex 14.2 – Combinations – some/any/all of Q1-10 on p485-6
REVIEW	Ex 14.3 – Miscellaneous Exercises – do some/any/all Q1-29 on pages 486-488

### The Laws of Probability (Topics 1.3 & 5.2 – 5.3)

Link to Video Resources & Explanations (should you need them):

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Basics of Probability	Ex 15.1 – Probability Basics – some/any/all of Q1-13 on pages 492-493
Probability and Venn Diagrams	Ex 15.2 – some/any/all of Q1-12 on pages 496-8
Conditional Probability	Ex 15.3 – Conditional Probability & Independence – some/any/all of Q1-16 on pages 503-505