Home-School Learning Collaboration – Mathematics



Topics in this cycle:	Taught: Autumn 2	Year Group: 8
Key knowledge/concepts to be learnt ('Tell me about')		Websites/blogs/YouTube links and further reading to deepen and consolidate learning
Reading data• Scatter graphs• Scatter graphs• Identify different types of data• Frequency tables (ungrouped data)• Frequency tables (grouped data)• Represent grouped discrete data• Represent continuous data grouped into equal classes• Two-way tables		https://vimeo.com/477518878 https://vimeo.com/478901964# https://vimeo.com/481136693 https://vimeo.com/466558990
 Two-way tables <u>Tables and probability</u> Sample space Probabilities from two-way tables Probabilities from Venn diagrams 		https://vimeo.com/483973328 https://vimeo.com/483973037 https://vimeo.com/483972889

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Key Vocabulary and Definitions To Be Learnt		What Will The Assessment Look Like?
Variable	A number we do not know and use an alphabetic letter for	
Coordinates	A set of 2 numbers that denote a point on a coordinate grid	
Correlation	Relation between two categories, i.e shoe size and height of a person	
Line of best fit	A straight line drawn on a Scatter Graph to show correlation	
Outlier	A piece of data that vary from the rest of data	
Discrete data	Numerical data that takes particular values only. i.e. number of apples, shoe sizes	Family Learning Opportunities
Continuous data	Numerical data that can take any values, i.e. height, distance	You may want to look at a challenge on finding AVERAGES from frequency tables: <u>https://youtu.be/X98Q4iK3IfA?si=I-vA0x3O633hTn8k</u>
Qualitative data	Non-numerical data, i.e. eye colour, preferences	
Quantitative data	Numerical data, i.e. number of students, time taken to get to school	Let's learn how to complete Venn Diagrams:
Sample space	All the possible outcomes from an experiment	https://youtu.be/qoT42mKVf6c?si=4M8iDHxCr2Z3h-0j