

KS4 Learning Journey

GCSE Foundation Tier – Year 10 Learning Cycle 4

Please watch the video on www.corbettmaths.com for each topic.

Key Skills Statistics	Video number
Interpret and construct frequency tables	54
Interpret and construct bar charts, pictograms, and vertical line charts	147,148,161,162
Calculate the median, mean, mode and modal class	50-55

Congruence and Similarity	Video number
Understand and identify the conditions to define congruency e.g. SSS, SAS, ASA, RHS	67
Work out and then use the scale factor of similar shapes to find the length of a side	292

Proportion	Video number
Solve problems involving direct proportion	255a,255c,256
Solve problems involving inverse proportion	255
Understand and use proportion as equality in ratios	
Interpret equations that describe direct and inverse proportion	
Recognise and interpret graphs that describe direct and inverse proportion	255b

Maps and Bearings	Video number
Interpret and use maps and scale drawings	283
Construct scale drawings	283
Measure and draw bearings	26,27

Constructions	Video number
Construct triangles with given measurements	81-83
Construct a perpendicular bisector of a line segment	78
Construct a perpendicular to a given line from a given point	79
Construct a perpendicular to a give line at a given point	80
Construct an angle bisector	72
Solve loci problems	75-77

KS4 Glossary

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Key Skills Statistics	
Frequency	Frequency refers to the number of times something is recorded or happens.
Median	The median is a type of average, calculate by ordering all the data, then choosing the middle one.
Modal	Using grouped data, the class with the highest frequency is the modal group.

Congruence & Similarity	
Similar	If one shape can become another using enlargement, then the shapes are similar.

Proportion	
Direct Proportion	Direct proportion is a statement of equality between two ratios. As one quantity increases, to does the other.

Maps & Bearings

Constructions	
Bisect	Divide into two exactly equal parts.
Loci	Loci is the plural of locus (a set of points which satisfy one or more conditions).