Reasoning	EYFS	KS1	LKS2	UKS2
Generalising is about starting with specific cases and becoming less specific. **Specialising** is about starting with something general and seeing what it tells us about a specific case. It might seem that generalising is therefore more important (or harder) than specialising, but that is not always true.	I know when something is always true. I know how to match a number, an object, or a picture to something that is true.	I know how to say or write the general rule. I know how to match examples that prove the rule.	I know how to say or write the general rule using mathematical terms. I know how to choose examples that prove the rule using technical vocabulary and notation.	I know how to say or write the general rule using mathematical terms. I know how to choose examples that prove the rule from a conjecture or line enquiry.
Models of proof • Visually: a constructed model or a diagram • Examples that satisfy the rule: by making a series of statements (at least 3 to prove a truth and 1 to counter example to disprove.) • Algebraically: with an expression	I know how to select objects or draw graphics to show when something is true. I know when something is not the same, it is not true.	I know how to draw mathematical diagrams or select equipment to prove a generalisation. I know how to write arithmetic statements to prove a generalisation. I know how to write a statement to show when something is not always true or never true.	I know how to construct mathematical diagrams or select equipment to prove a generalisation or offer a reasoned argument. I know how to write 3 arithmetic statements to prove a generalisation to be true. I know how to write a single statement to show when something is not always true or never true.	I know how to construct mathematical diagrams or select equipment to prove a generalisation. I know how to write 3 arithmetic statements to prove a generalisation to be true. I know how to write a single statement to show when something is sometimes true or never true. I know how to write the expression to prove a rule using n to represent any number. I know how to determine the criteria for n.