

Developing Algebraic Thinking



Explore & Investigate

What do you notice? What is changing?
What stays the same? Is this always true?
How could you find out?



Explain

What have you discovered?
How will you show your thinking?
How will you check?
What is your reasoning?



Reason, Justify, Prove

How can you demonstrate it?
What is your reasoning - how did you come to this conclusion, what inferences did you make?
How might you prove it?



Generalise

Can I predict future values?
How can I show it in general?
When would I apply it?