

Understand	Explore	Select a Strategy (Heinemann Problem Solving Toolkit strategies)	Solve	Look Back	Explain
Read the problem	Organise the information	Look for a pattern	Carry out your strategy	Check your answer(s) Does it make sense?	Answer the question clearly, with units
Note key words	Draw picture of the problem	Work backwards	Possibly revise and try a different strategy	Is the answer reasonable? Possible?	Explain, show or write how you reached the solution
Talk about it with a partner	Draw diagram/ table	Guess, check and improve	Show your thinking clearly	Check process for errors	
What do you know? What don't you know? What do you want to know?	Act it out	Try a simpler case			
	Use manipulatives	Produce a list or a table			
	Discuss strategies with a partner	Reason logically			
		Make a conjecture			
		Draw a picture (or make a model)			