

## Heuristics in Focus (Primary 1)

- 16 June to 20 June 2025
- 23 June to 27 June 2025

Time	Monday	Tuesday	Wednesday	Thursday	Friday
	Act It Out is a problem-	Draw a Diagram/Model is a	Look for Pattern(s) is a	Look for Pattern(s)	Act It Out
	solving heuristic that	problem-solving heuristic	problem-solving heuristic	Draw a Diagram/Model	Look for Pattern(s)
	encourages children to	that involves using visual	that helps children identify		Draw a Diagram/Model
	physically or visually	tools such as bar models or	and use repeated elements		
	represent the elements of a	sketches to create a visual	or predictable sequences in		
	word problem. By using	representation of the	a word problem. By		
	simple objects, drawings, or	elements in a word	observing similarities,		
	role-play, children can	problem. This helps	trends, or cycles in		
	better understand the	children break down	numbers, shapes, or		
	relationships in the word	complex information and	actions, children can make		
2.00pm	problem and identify a	identify relationships	generalisations and		
to	logical path to the solution.	between quantities. This	anticipate what comes next.		
4.00pm	This method is especially	method is especially helpful	This method is especially		
	helpful for younger children	for word problems involving	helpful for word problems		
	or word problems involving	part-whole relationships,	involving sequences, growth		
	sequences, movement, or	comparisons, or	patterns, or repeated		
	interactions.	proportional reasoning.	procedures.		
	Outcome: Solve word	Outcome: Solve word	Outcome: Solve word	Outcome: Solve word	Outcome: Solve word
	problems involving	problems involving	problems involving shape	problems involving number	problems involving number
	permutations, number	permutations, ordinal	and number patterns.	patterns, addition and	patterns, ordinal numbers
	bonds, addition, and spatial	numbers and positions, and		subtraction.	and positions,
	visualisation.	multiplication			permutations, addition and
					subtraction.



## Heuristics in Focus (Primary 2)

- 16 June to 20 June 2025
- 23 June to 27 June 2025

Time	Monday	Tuesday	Wednesday	Thursday	Friday
	Look for Pattern(s) is a	Draw a Diagram/Model is a	Make a Systematic List is a	Guess and Check is a	Look for Pattern(s)
	problem-solving heuristic	problem-solving heuristic	problem-solving heuristic	problem-solving heuristic	Draw a Diagram/Model
	that helps children identify	that involves using visual	that guides children to list	that involves making a	Make a Systematic List
	and use repeated elements	tools such as bar models or	and organise possible	reasonable guess, testing it	Guess and Check
	or predictable sequences in	sketches to create a visual	outcomes or combinations	against the conditions of	
	a word problem. By	representation of the	in an orderly way. By listing	the word problem, and	
	observing similarities,	elements in a word	options methodically,	adjusting the guess if	
	trends, or cycles in	problem. This helps	children can keep track of	needed. By thinking	
	numbers, shapes, or	children break down	their thinking, avoid	critically about each trial,	
	actions, children can make	complex information and	repetition, and ensure that	children refine their	
2.00pm	generalisations and	identify relationships	all possible options are	approach towards the	
to	anticipate what comes next.	between quantities. This	considered. This method is	correct solution. This	
4.00pm	This method is especially	method is especially helpful	especially helpful for word	method is especially helpful	
	helpful for word problems	for word problems involving	problems involving	for word problems involving	
	involving sequences, growth	part-whole relationships,	permutations,	unknown values, trial-and-	
	patterns, or repeated	comparisons, or	combinations, or exhaustive	error reasoning, or limited	
	procedures.	proportional reasoning.	possibilities.	possibilities.	
	Outcome: Solve word	Outcome: Solve word	Outcome: Solve word	Outcome: Solve word	Outcome: Solve word
	problems involving shape	problems involving addition,	problems involving addition,	problems involving money,	problems involving shape
	and number patterns.	subtraction, multiplication	subtraction, multiplication	addition, subtraction and	and number patterns,
		and division	and division	multiplication.	money, addition,
					subtraction and
					multiplication.



## Heuristics in Focus (Primary 3)

- 16 June to 20 June 2025
- 23 June to 27 June 2025

Time	Monday	Tuesday	Wednesday	Thursday	Friday
	Guess and Check is a	Work Backwards is a	Simplify the Problem is a	Draw a Diagram/Model is a	Guess and Check
	problem-solving heuristic	problem-solving heuristic	problem-solving heuristic	problem-solving heuristic	Work Backwards
	that involves making a	that involves starting with	that helps children reduce a	that involves using visual	Simplify the Problem
	reasonable guess, testing it	the final result given in the	word problem to a simpler	tools such as bar models or	Draw a Diagram/Model
	against the conditions of	word problem and reversing	version that is easier to	sketches to create a visual	
	the word problem, and	the steps to find the	understand. By working	representation of the	
	adjusting the guess if	unknown starting value. By	through a smaller or more	elements in a word	
	needed. By thinking	thinking in reverse and	familiar version, children	problem. This helps	
	critically about each trial,	undoing each operation,	can uncover the structure of	children break down	
2.00pm	children refine their	students can uncover	the task and apply the same	complex information and	
2.00pm	approach towards the	missing information or the	reasoning to solve the	identify relationships	
10 1 00pm	correct solution. This	original state. This method	original task. This method is	between quantities. This	
4.00pm	method is especially helpful	is especially helpful for	especially helpful for word	method is especially helpful	
	for word problems involving	word problems involving	problems involving large	for word problems involving	
	unknown values, trial-and-	final outcomes, reverse	numbers or multiple	part-whole relationships,	
	error reasoning, or limited	operations, or sequential	variables.	comparisons, or	
	possibilities.	changes.		proportional reasoning.	
	Outcome: Solve word	Outcome: Solve word	Outcome: Solve word	Outcome: Solve word	Outcome: Solve word
	problems involving money,	problems involving addition,	problems involving money,	problems involving length,	problems involving graphs,
	addition, subtraction,	subtraction, multiplication	addition, subtraction,	addition, subtraction,	money, patterns, addition,
	multiplication and division.	and division.	multiplication and division.	multiplication and division.	subtraction, multiplication
					and division.



## Heuristics in Focus (Primary 4)

- 16 June to 20 June 2025
- 23 June to 27 June 2025

Time	Monday	Tuesday	Wednesday	Thursday	Friday
2.00pm to 4.00pm	Look for Pattern(s) is a problem-solving heuristic that helps children identify and use repeated elements or predictable sequences in a word problem. By observing similarities, trends, or cycles in numbers, shapes, or actions, children can make generalisations and anticipate what comes next. This method is especially helpful for word problems involving sequences, growth patterns, or repeated procedures.	Draw a Table is a problem- solving heuristic that helps children organise information into rows and columns to make relationships in a word problem easier to identify. By displaying values and changes step by step, children can better track patterns, compare quantities, and make logical deductions. This method is especially helpful for word problems involving repeated steps, logical sequences, or multiple sets of data	Make Suppositions is a problem-solving heuristic in which children begin by assuming a reasonable value or condition to help move forward with the solution. By testing the assumption, children can adjust their reasoning accordingly and work towards an accurate solution. This method is especially helpful for word problems involving hidden values, indirect relationships, or conditions that require estimation.	Simplify the Problem is a problem-solving heuristic that helps children reduce a word problem to a simpler version that is easier to understand. By working through a smaller or more familiar version, children can uncover the structure of the task and apply the same reasoning to solve the original task. This method is especially helpful for word problems involving large numbers or multiple variables.	Look for Pattern(s) Draw a Table Make Suppositions Simplify the Problem
	Outcome: Solve word problems involving shape and number patterns.	Outcome: Solve word problems involving factors and multiples	Outcome: Solve word problems involving addition, subtraction, multiplication and division.	Outcome: Solve word problems involving area and perimeter.	Outcome: Solve word problems involving patterns, factors and multiples, addition, subtraction, multiplication and division.