NA33 Investigating patterns
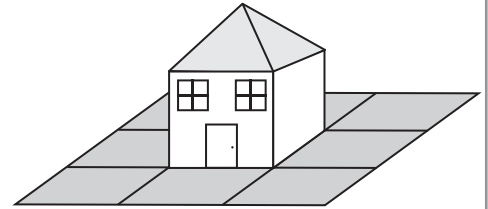Student Book page 96

Town plan

Toy Town's town plan allows a 'one square' building to be surrounded by one square of yard in each direction. This gives 8 squares of yard.
How many squares of yard is allowed for a building that is 10 squares long?

Mark or highlight the strategy or strategies you used to solve this problem.

1	Guess and check	6	Check for relevant or irrelevant information
2	Make a table or chart	7	Find smaller parts of a large problem
3	Draw a picture or diagram	8	Make an organised list
4	Act out the problem	9	Solve a simpler problem
5	Find a pattern or use a rule	10	Work backwards

NA35 Equivalent number sentences
Student Book page 100

Pro surfing final

The judges' scores from a surfer's top two waves are added to give their overall score.
Kelly has already scored an 8.8 and a 7.3 in the final. Mick just scored a 9.8!
What score will Mick need to beat Kelly by 0.1 of a point?

Mark or highlight the strategy or strategies you used to solve this problem.

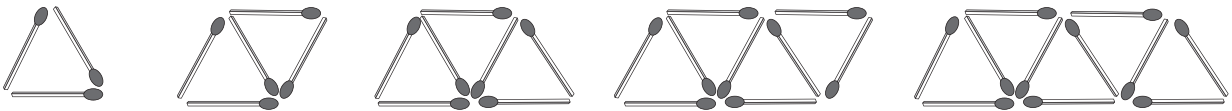|			
1	Guess and check	6	Check for useful information
2	Make a table or chart	7	Find smaller parts of a big problem
3	Draw a picture or diagram	8	Make an organised list
4	Act out the problem	9	Solve a simpler problem
5	Find a pattern	10	Work backwards

Know

For each pattern, complete the table of values to the 5th term, describe the change using a rule, then continue the table of values to the 10th term.
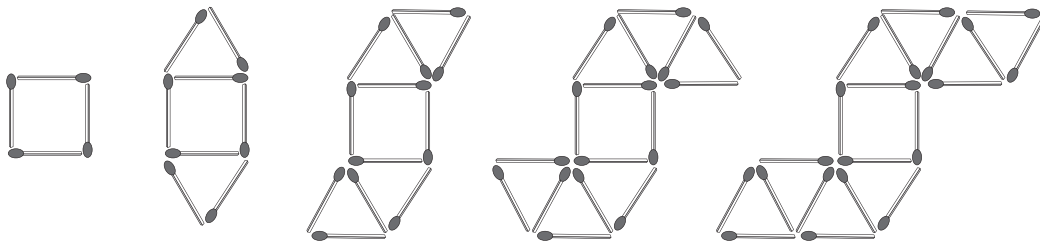
a Triangle matchstick pattern (5 marks)

Term	1	2	3	4	5	6	7	8	9	10
Number of matchsticks	3									

Apply

b Triangle and square matchstick pattern (5 marks)

Term	1	2	3	4	5	6	7	8	9	10
Number of matchsticks	4									

Date __/__/__

Know ☐ + **Apply** ☐ = **Total** ☐