5:04 Extension

(Working mathematically)

1 List the counting numbers that can be shown on a number line if they must be less than 3 units from 7 but more than 1 unit from 8.

Drawing a diagram

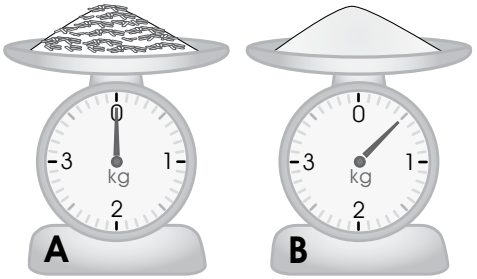
Making a list

Reflecting

Working

2 **a** Scale A has been used to weigh some rice.
What could be the weight of the rice?

b Scale B has been used to weigh some sugar.
What could be the weight of the sugar?



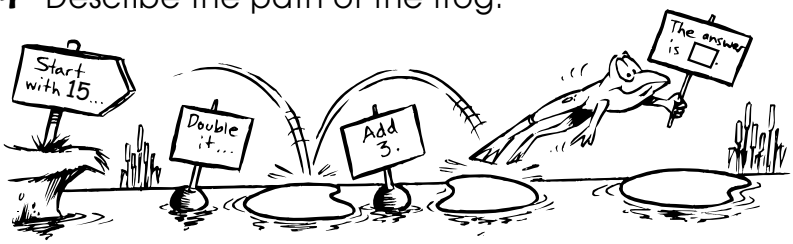
Trial and error | Reasoning

3 Circle the three numbers in each row that add to give the total that is shown.

								total
a	10	14	35	65	98	135	226	235
b	22	86	92	325	398	544	650	809

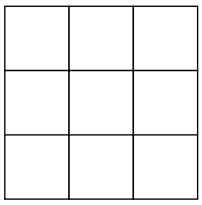
Communicating | Reflecting

4 Describe the path of the frog.

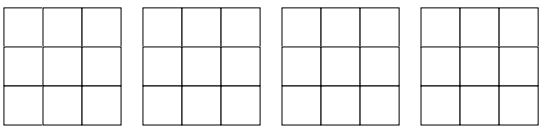


Trial and error | Reasoning

5 Remove four squares that will allow the perimeter of this shape to stay the same.



Working



Looking for patterns | Reflecting

6 Draw the next term in the pattern and complete the table.

Number of hexagons	1	2	3	4	5
Number of sides used					

What is the rule connecting the number of sides (S) to the number of hexagons (H)?

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