

Chapter 8 – Rich task 1 - Lego® blocks

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Lego® blocks

Jack only had Lego blocks of lengths 1, 2 and 3 as shown.



Fill in the number of ways of making blocks of lengths 1 to 5.

Block lengths 1 and 2 have been started for you as examples.

Total block length	1	2	3	4	5
Blocks needed	1	1 + 1 or 2	1 + 1 + 1 or or		
Number of ways	1	2			

- Predict the number of ways of making a block of length 6.
Check your prediction.
- Predict the number of ways for making blocks of lengths 7, 8, 9 and 10.
Check your predictions.
- Is there a pattern that continues?



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