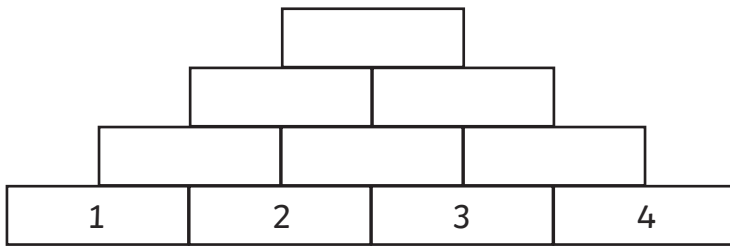


# Towers (4)

Place the numbers 1, 2, 3 and 4 in the bottom of a tower. Add the adjacent numbers to make the number above. What is the total at the top? \_\_\_\_\_



1. If you change the order of the numbers, do you get the same total at the top? Use the attached pyramid sheet to investigate.

\_\_\_\_\_

2. What is the highest and lowest possible total at the top?

\_\_\_\_\_

3. Try the numbers 2, 3, 4 and 5. What happens to the lowest and highest totals? Use the attached pyramid sheet to investigate.

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\_\_\_\_\_

\_\_\_\_\_

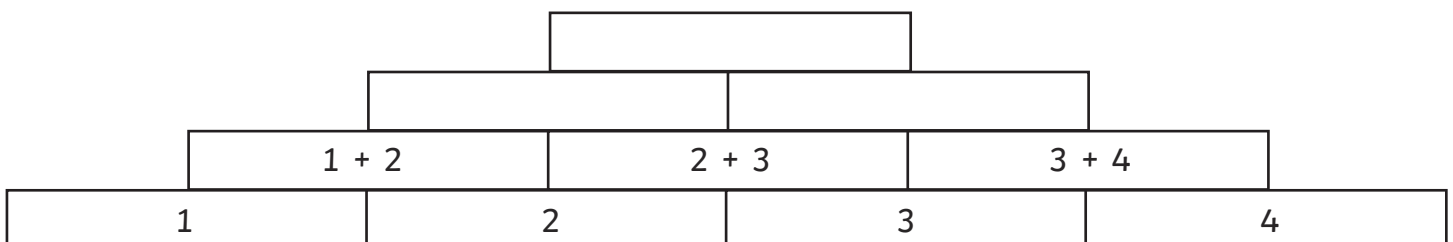
4. What would the highest and lowest totals be for 3, 4, 5 and 6? Use the attached pyramid sheet to investigate.

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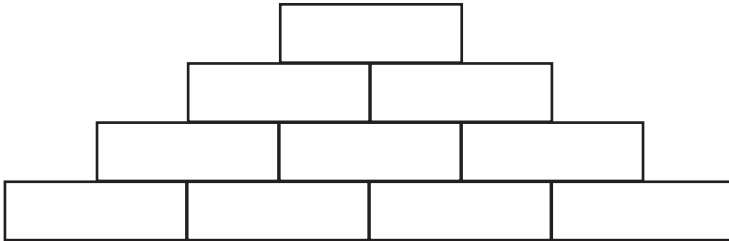
5. By writing the sums in each box, write the sum for the total at the top.



# Towers (4)

## Challenge (Formulas)

6. Replace the numbers in the bottom row with letters a, b, c and d. Find the formula for the sum at the top.



7. What would the formula be for different-sized towers?

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# Towers (4)

