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| **Create a stone garden display Worksheet**  **Scaling Up – Calculating the number of stones needed** |

Scaling up from the paper design to the final display. Use the same units to measure the two widths!

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| 1 | Measure the width of the paper design | Width\_1 = |
| 2 | Measure the width of the area to be covered | Width\_2 = |
| 3 | Divide Width\_2 by Width\_1 | Width\_2/Width\_1 = |
| 4 | Scaling factor, S | S =  Copy the answer from the previous line |
| 5 | Count the number of paper ‘stones’ you used for the design | N = |
| 6 | Round the number up | Nr = |
| 7 | Number of stones you need | Number of Stones = Nr x S |