18th May

The number in each block is found by adding the two blocks directly beneath it.

Find the missing numbers.

### Expand

<table>
<thead>
<tr>
<th>Expand</th>
<th>Expand</th>
</tr>
</thead>
<tbody>
<tr>
<td>$5(x + 3)$</td>
<td>$y(y - 4)$</td>
</tr>
</tbody>
</table>

### Here are the first five terms of a number sequence.

| 3  | 8  | 13 | 18 | 23 |

### Here are the first four terms of another number sequence.

| −2 | 4  | 10 | 16 |

Find two numbers that are in both number sequences.

Sarah makes cupcakes. She makes 20 cupcakes per hour.

She makes cupcakes for $3\frac{3}{4}$ hours each day, for 5 days of the week.

The cupcakes are packed into boxes that hold 6 cupcakes.

How many cupcakes are needed to hold all the cupcake cakes Sarah has made in 5 days?