

## The Factors and Multiples Puzzle

1. Cut out the 10 heading cards and put one in each of the 10 spaces round the playing board (blue tack is helpful here).
2. Cut out the 25 number cards and place each one in a different square on the playing board so that the number satisfies the condition given by the heading card for that row *and* the condition given by the heading card for that column (blue tack is helpful here as well).
3. By rearranging the heading cards and the number cards, try to fill as many squares on the playing board as possible.

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## Number cards

|                 |           |                 |           |           |
|-----------------|-----------|-----------------|-----------|-----------|
| <b>1</b>        | <b>2</b>  | <b>3</b>        | <b>4</b>  | <b>5</b>  |
| <b><u>6</u></b> | <b>7</b>  | <b><u>9</u></b> | <b>10</b> | <b>11</b> |
| <b>12</b>       | <b>15</b> | <b>16</b>       | <b>18</b> | <b>20</b> |
| <b>21</b>       | <b>23</b> | <b>24</b>       | <b>25</b> | <b>30</b> |
| <b>35</b>       | <b>36</b> | <b>45</b>       | <b>55</b> | <b>60</b> |

## Heading cards

|                      |                    |
|----------------------|--------------------|
| PRIME NUMBERS        | TRIANGULAR NUMBERS |
| SQUARE NUMBERS       | FACTORS OF 60      |
| NUMBERS LESS THAN 20 | MULTIPLES OF 3     |
| NUMBERS MORE THAN 20 | MULTIPLES OF 5     |
| ODD NUMBERS          | EVEN NUMBERS       |