

# Killer sudoku 21: small cages only

34 cages · no given digits · rule of 45

Fill every square with a digit from 1 to 9 so that each row, column and 3x3 box holds every digit once. The small number in a dashed cage is the total of its squares, and no digit repeats inside a cage.

|    |    |    |    |    |    |   |    |    |
|----|----|----|----|----|----|---|----|----|
| 5  |    | 15 |    |    | 16 | 8 |    | 17 |
| 15 |    | 6  |    | 17 |    |   | 12 |    |
| 15 |    |    |    |    | 21 |   |    | 6  |
| 8  | 9  |    | 11 | 11 |    |   | 9  |    |
|    | 21 |    |    |    | 11 |   |    | 6  |
| 13 |    | 9  | 4  | 15 | 14 | 9 |    |    |
|    |    |    |    |    |    | 8 |    | 16 |
| 8  | 17 |    | 20 | 9  |    |   | 21 |    |
|    |    |    |    | 3  |    |   |    |    |

# Killer sudoku 21: small cages only (solution)

34 cages · no given digits · rule of 45

Fill every square with a digit from 1 to 9 so that each row, column and 3x3 box holds every digit once. The small number in a dashed cage is the total of its squares, and no digit repeats inside a cage.

|                    |                    |                    |                    |                    |                    |                   |                    |                    |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|
| <sup>5</sup><br>3  | 2                  | <sup>15</sup><br>6 | 5                  | 4                  | <sup>16</sup><br>9 | <sup>8</sup><br>1 | 7                  | <sup>17</sup><br>8 |
| <sup>15</sup><br>8 | 7                  | <sup>6</sup><br>4  | 2                  | <sup>17</sup><br>3 | 1                  | 6                 | <sup>12</sup><br>5 | 9                  |
| <sup>15</sup><br>5 | 1                  | 9                  | 8                  | 6                  | <sup>21</sup><br>7 | 3                 | 4                  | <sup>6</sup><br>2  |
| <sup>8</sup><br>6  | <sup>9</sup><br>8  | 1                  | <sup>11</sup><br>7 | <sup>11</sup><br>2 | 5                  | 9                 | <sup>9</sup><br>3  | 4                  |
| 2                  | <sup>21</sup><br>5 | 7                  | 4                  | 9                  | <sup>11</sup><br>3 | 8                 | 6                  | <sup>6</sup><br>1  |
| <sup>13</sup><br>4 | 9                  | <sup>9</sup><br>3  | <sup>4</sup><br>1  | <sup>15</sup><br>8 | <sup>14</sup><br>6 | <sup>9</sup><br>7 | 2                  | 5                  |
| 9                  | 4                  | 2                  | 3                  | 7                  | 8                  | <sup>8</sup><br>5 | 1                  | <sup>16</sup><br>6 |
| <sup>8</sup><br>1  | <sup>17</sup><br>3 | 8                  | <sup>20</sup><br>6 | <sup>9</sup><br>5  | 4                  | 2                 | <sup>21</sup><br>9 | 7                  |
| 7                  | 6                  | 5                  | 9                  | <sup>3</sup><br>1  | 2                  | 4                 | 8                  | 3                  |