

Puzzling

Note all possible figures for each cell. Jott them down in a small font, in the righthand side of the cell.

4
1
5

7
8
3

2

9
2 6

9
2

6

7
8
2

4
9
6

1
3
5

3
6
9

1
2
5

4
7
8

2 5

8
2

5
2

8

1
3
9

6
4
7

3
1
4

5
6
7

8
2
9

6
9
7

8
4
2

5
1
3

3
5
4

2 5

8 9
2 5

6 9
2 6

8

2 6

8
7
1

9
7

1

2

6

4

3

8

2

6

5

3

8

2

5

8

6

7

3 5

8

1

9

3

8

4

Step 1 - Look for unique candidates

Then look in each row, column and ninesome for a unique candidate. When so, you are sure it must belong in that cell.
Bingo!

You must remove this candidate you just filled in from the "administrations" in which it occurs: for each row, column and ninesomel. Because this process generates new information, repeat this method until no new candidates can be found.

After that, you proceed looking for patterns in the "administration".

Step 2 - Look for identical pairs

The second pattern you look for, consists of equal pairs, duo's, ab en ab. For example:

2 6

8

7

1

2

6

5

3

8

9

3

8

4

The first pattern you look for consists of two equal pairs, ab en ab. Whenever you find two cells in a column, a row or a 3x3 square with two of the same candidates, you may remove these figures from the remaining administrations. (Both candidates must occur in both cells - the one here, the other there, or reverse - and cannot occur elsewhere.) So the 8 must be expelled from the administration of the first cell in the row above:

2 6

7
1

2

6
5
3

8

9
38
4

Stap 3 - Look for threesomes

The third pattern consists of three equal triples in three cells, abc, abc en abc. treat this pattern in the same way you treat two equal pairs, until you cannot remove any candidates anymore.

these are the remaining patterns:

- ab en ab (excludes ab elsewhere)
- abc, abc en abc (excludes abc elsewhere)
- abc, abc en ab (excludes abc elsewhere)
- abc, ab en bc (excludes abc elsewhere)
- ab, bc en ac (excludes abc elsewhere)

Stap 4 - Look for foursomes
In the same way you can use foursomes for your bookkeeping. Some frequently occurring quadruples, they all exclude abcd elsewhere:

- abcd, bcd, bc en ab
- abcd, cd, bc en ab
- acd, cd, bc en ab
- ad, cd, bc en ab

