3x

3
6 x 0 = 0 = 36
6 x 6 = 36 9

6
3 x 3 = 9 = 72
9 x 9 = 81

6 x 6 = 36 = 108
12 x 12 = 144

12
9 x 9 = 81
15 x 15 = 225 = 144

15
12 x 12 = 144 = 180
18 x 18 = 324

Difference Of two Squares

5x

10
5 x 5 = 25
15 x 15 = 225 = 200

15
10 x 10 = 100
20 x 20 = 400
= 300

20
15 x 15 = 225
25 x 25 = 625 400

7x

14

7 x 7 = 49

21 x 21 = 441 = 392

21

14 x 14 = 196

28 x 28 = 784

= 588

196

I noticed that the difference between the answer for the difference between the two numbers squared and the ~~next~~ difference between the next two numbers squared was always 36 for the 3 x table. This is because the difference between the two numbers either side of your chosen number was always 6 in the 3x table and 6 squared or 6 x 6 = 36. and so that is the differe

The same logic aplies for both all the other tables. 5s difference was 100 7s difference 196

3x

9

3 x 3 = 9

15 x 15 = 225 = 246

72

12

6 x 6 = 36

18 x 18 = 324 = 288

72

15

9 x 9 = 81

21 x 21 = 441 = 360

72

18

12 x 12 = 144 = 432

24 x 24 = 576

Because you are technically squaring the numbers 6 below and 6 above it the answer will double from 36 to 72.

If you took the numbers 12 below and 12 above it 4 72 would double to 144 and if you took 24 below and 24 above 144 would double to 288 etc.

Phoebe

1.7.20