

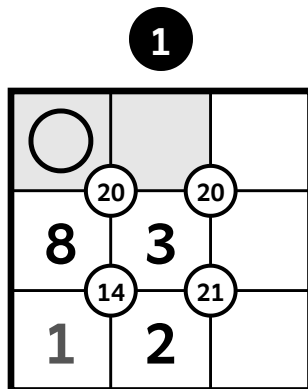


Learn a new puzzle

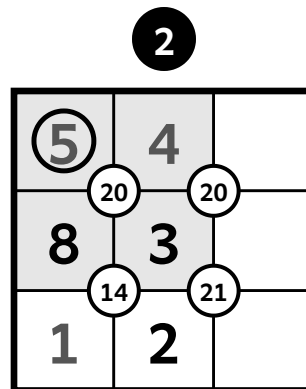
Sum Corners

Write 1 to 9 once. Each circle is the sum of its four squares.

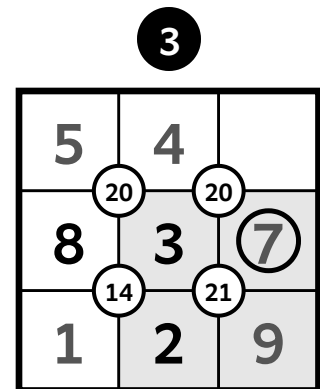
Trick: **Make the rest**



Around the 20, the 2 empty squares make 9: this one can only be 4 or 5.



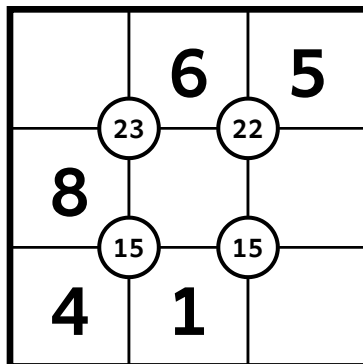
Around the 20, three squares make 15, so the last is $20 - 15 = 5$.



Around the 21, three squares make 14, so the last is $21 - 14 = 7$.

Try it

Use 1 to 9 once.



The answer is with the other answers.

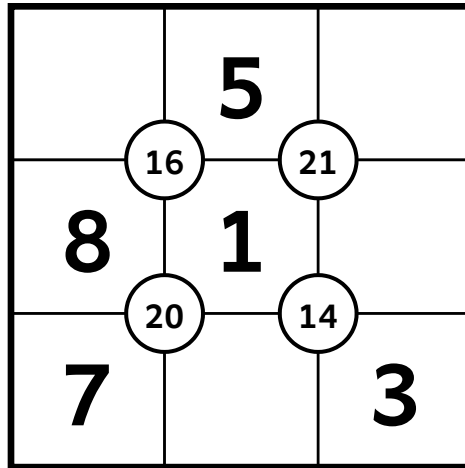
Talk about it: Ask: Which two numbers can make the rest? Which are already used?



- ① **Sum Corners** Write each number once. Each circle is the sum of its four squares.



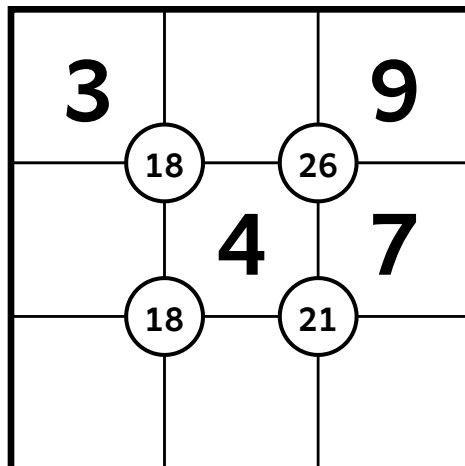
Use 1 to 9 once.



- ② **Sum Corners** Write each number once. Each circle is the sum of its four squares.



Use 1 to 9 once.

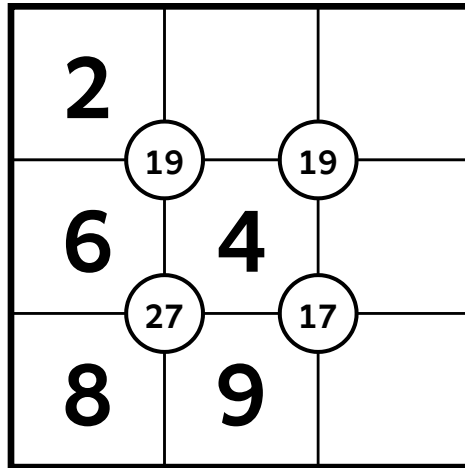




- ③ **Sum Corners** Write each number once. Each circle is the sum of its four squares.



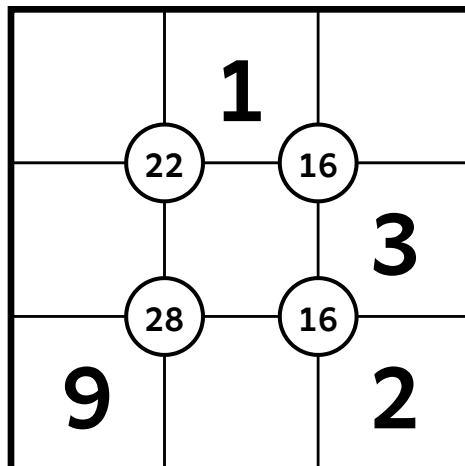
Use 1 to 9 once.



- ④ **Sum Corners** Write each number once. Each circle is the sum of its four squares.



Use 1 to 9 once.





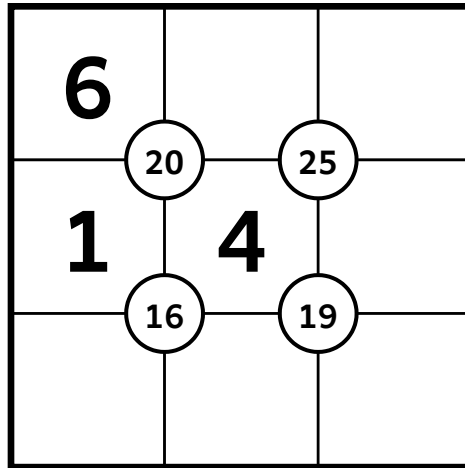
5

Sum Corners

Write each number once. Each circle is the sum of its four squares.



Use 1 to 9 once.



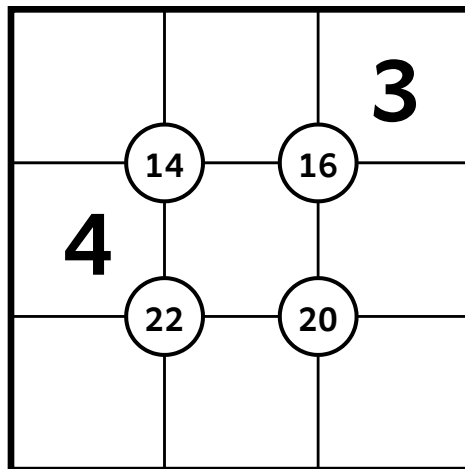
6

Sum Corners

Write each number once. Each circle is the sum of its four squares.



Use 1 to 9 once.





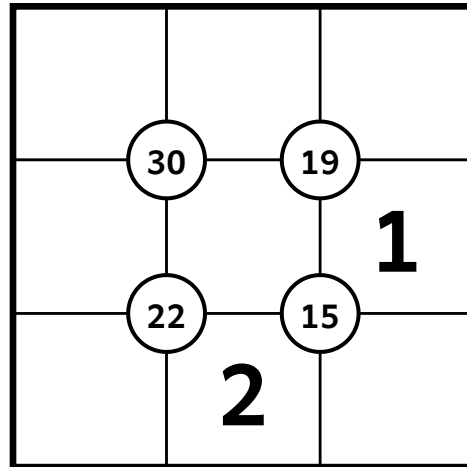
7

Sum Corners

Write each number once. Each circle is the sum of its four squares.



Use 1 to 9 once.



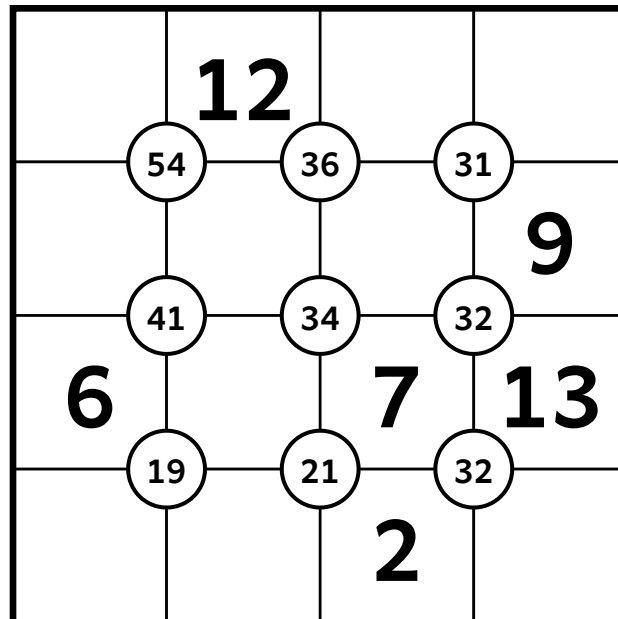
8

Sum Corners

Write each number once. Each circle is the sum of its four squares.



Use 1 to 16 once.





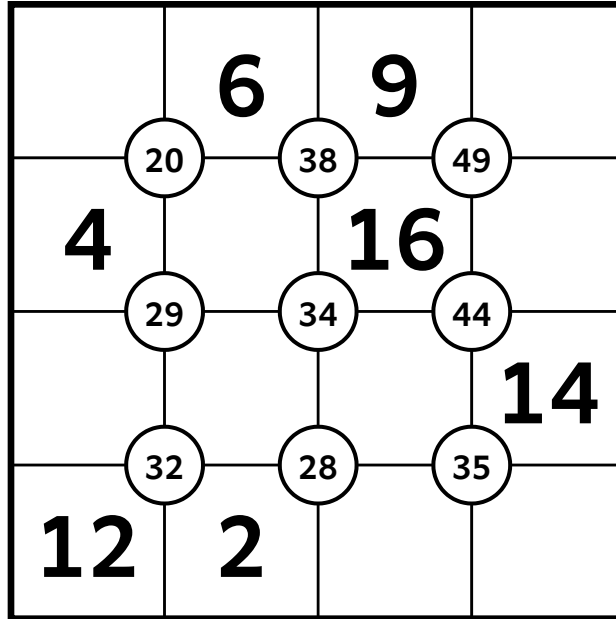
9

Sum Corners

Write each number once. Each circle is the sum of its four squares.



Use 1 to 16 once.



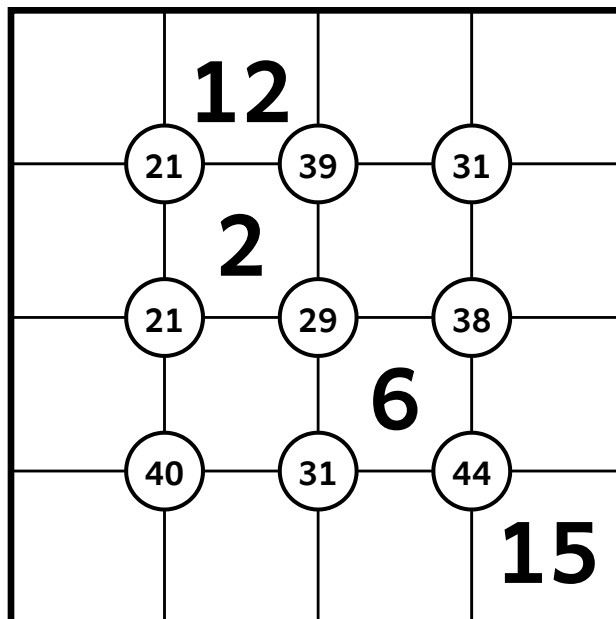
10

Sum Corners

Write each number once. Each circle is the sum of its four squares.



Use 1 to 16 once.



**Answers** For grown-ups. Cut off or keep this page aside until the puzzles are done.**Learn · Sum Corners**

Use 1 to 9 once.

7	6	5
8	23	22
4	15	15
4	1	3

#1

Use 1 to 9 once.

2	5	9
8	16	21
7	20	14
7	4	3

Around the 16, three squares make 14, so the last is $16 - 14 = 2$.

#2

Use 1 to 9 once.

3	6	9
5	18	26
1	18	21
1	8	2

Around the 26, three squares make 20, so the last is $26 - 20 = 6$. Key step: Around the 18, the 2 empty squares make 9: this one can only be 1 or 8.

#3

Use 1 to 9 once.

2	7	5
6	19	19
8	27	17
8	9	1

Around the 19, three squares make 12, so the last is $19 - 12 = 7$. Key step: Around the 19, the 2 empty squares make 8: this one can only be 3 or 5.

#4

Use 1 to 9 once.

6	1	5
8	22	16
9	28	16
9	4	2

Around the 22, the 3 empty squares make 21: this one can only be 6, 7 or 8.

#5

Use 1 to 9 once.

6	9	7
1	20	25
3	16	19
3	8	2

Around the 20, three squares make 11, so the last is $20 - 11 = 9$. Key step: Around the 25, the 2 empty squares make 12: this one can only be 5 or 7.

#6

Use 1 to 9 once.

2	7	3
4	14	16
9	22	20
9	8	6

Around the 14, the 3 empty squares make 10: this one can only be 1, 2 or 7.

#7

Use 1 to 9 once.

6	8	3
9	30	19
4	22	15
4	2	5

Around the 30, the 4 empty squares make 30: this one can only be 6, 7, 8 or 9. Key step: The 19 and the 15 share two squares, so their other two squares differ by 4: this one can only be 7 or 8.

#8

Use 1 to 16 once.

15	12	5	14
11	54	36	31
6	41	34	32
1	19	21	32
1	4	2	10

Around the 32, three squares make 29, so the last is $32 - 29 = 3$. Key step: Around the 54, the 3 empty squares make 42: this one can only be 11, 15 or 16.



Answers

For grown-ups. Cut off or keep this page aside until the puzzles are done.

#9

Use 1 to 16 once.

3	6	9	11
20	38	49	
4	7	16	13
29	34	44	
8	10	1	14
32	28	35	
12	2	15	5

Around the 38, three squares make 31, so the last is $38 - 31 = 7$. Key step:
Around the 49, the 2 empty squares make 24: this one can only be 11 or 13.

#10

Use 1 to 16 once.

4	12	11	1
21	39	31	
3	2	14	5
21	29	38	
9	7	6	13
40	31	44	
16	8	10	15

Around the 21, the 2 empty squares make 7: this one can only be 3 or 4.
Key step: The 39 and the 31 share two squares, so their other two squares differ by 8: this one can only be 5.