

# 6 by 6 Mathrix Puzzles

Place the number 1 to 6 such that each row and column contains the digits 1 to 6. Circles with conditions are placed on some intersections and are meant for the 2 pairs of diagonally adjacent cells. This can be the sum (+), difference (-), product ( $\times$ ), quotient ( $\div$ ), only odd (O) or only even (E).

4	1				
				6	
				1	
					5+
			1		3
		E	1-		5

		2			
		6 $\times$		10+	
					1 $\div$
4				2	
3			2		o

	o				
			2-	3-	
		2-			
				2-	
6					
					8+

					6
			1		
		6+			
				2 $\div$	1-
3					
5				3-	

# Answers

Place the number 1 to 6 such that each row and column contains the digits 1 to 6. Circles with conditions are placed on some intersections and are meant for the 2 pairs of diagonally adjacent cells. This can be the sum (+), difference (-), product ( $\times$ ), quotient ( $\div$ ), only odd (O) or only even (E).

4	1	3	5	2	6
3	4	5	2	6	1
5	3	6	4	1	2
2	5	1	6	3	4
6	2	4	1	5	3
1	6	2	3	4	5

Conditions: (row 3, col 5) 5+; (row 4, col 2) E; (row 4, col 3) 1-

1	6	2	5	4	3
2	3	1	6	5	4
5	1	4	3	6	2
4	5	3	1	2	6
6	2	5	4	3	1
3	4	6	2	1	5

Conditions: (row 1, col 2) 6 $\times$ ; (row 1, col 4) 10+; (row 3, col 6) 1 $\div$ ; (row 4, col 6) O

3	5	4	2	6	1
5	1	3	4	2	6
4	3	6	5	1	2
2	4	1	6	3	5
6	2	5	1	4	3
1	6	2	3	5	4

Conditions: (row 1, col 1) O; (row 2, col 3) 2-; (row 2, col 4) 3-; (row 3, col 2) 2-; (row 4, col 4) 2-; (row 5, col 6) 8+

4	2	1	3	5	6
2	5	4	1	6	3
1	4	6	2	3	5
3	1	5	6	4	2
6	3	2	5	1	4
5	6	3	4	2	1

Conditions: (row 2, col 1) 6+; (row 3, col 4) 2 $\div$ ; (row 3, col 5) 1-; (row 5, col 4) 3-