PATTERNS OF EVEN AND ODD NUMBERS

SHAKE THE DICE!

ODD
1, 3, 5

+

EVEN
2, 4, 6

- Look at the dice above.
- Write **ODD** or **EVEN** under the dice and their sums.

$$3 + 2 = 5$$

ODD + EVEN = ODD

1.

◻ + ◻ = ▢

☐ + ☐ = ☐

5.

◻ + ◻ = ▢

☐ + ☐ = ☐

2.

◻ + ◻ = ▢

☐ + ☐ = ☐

6.

◻ + ◻ = ▢

☐ + ☐ = ☐

3.

◻ + ◻ = ▢

☐ + ☐ = ☐

7.

◻ + ◻ = ▢

☐ + ☐ = ☐

4.

◻ + ◻ = ▢

☐ + ☐ = ☐

8.

◻ + ◻ = ▢

☐ + ☐ = ☐

Do you see the pattern?

odd + odd = **EVEN**	odd + even = **ODD**
even + even = **EVEN**	even + odd = **ODD**

Now you try with any pair of odd and even numbers.

1. When you add 2 odd numbers you get an even number.

    [ ] TRUE   [ ] FALSE

2. When you add 2 even numbers you get an even number.

    [ ] TRUE   [ ] FALSE

3. When you add an even number to an odd number you get an even number.

    [ ] TRUE   [ ] FALSE

4. An odd number added to an even number gives an even number.

    [ ] TRUE   [ ] FALSE

5. When you add an odd number to an even number you get an odd number.

    [ ] TRUE   [ ] FALSE

6. When you add an even number to an odd number you get an odd number.

    [ ] TRUE   [ ] FALSE

• Pick **odd** and **even numbers** from the group below. Try **adding** for yourself and see what your answer is: **ODD** or **EVEN**.
  Find the **RULE** for adding odd and even numbers.

1	3	5	7	9	11	13	15	17	19
2	4	6	8	10	12	14	16	18	20