

PATTERNS OF EVEN AND ODD NUMBERS



ODD
1, 3, 5



SHAKE THE
DICE!

+



EVEN
2, 4, 6



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

$$\begin{array}{rcccl} 3 & + & 2 & = & 5 \\ \text{ODD} & + & \text{EVEN} & = & \text{ODD} \end{array}$$

1.

$$\begin{array}{c} \boxed{1} + \boxed{3} = \boxed{} \\ \boxed{} + \boxed{} = \boxed{} \end{array}$$

5.

$$\begin{array}{c} \boxed{3} + \boxed{4} = \boxed{} \\ \boxed{} + \boxed{} = \boxed{} \end{array}$$

2.

$$\begin{array}{c} \boxed{2} + \boxed{6} = \boxed{} \\ \boxed{} + \boxed{} = \boxed{} \end{array}$$

6.

$$\begin{array}{c} \boxed{4} + \boxed{1} = \boxed{} \\ \boxed{} + \boxed{} = \boxed{} \end{array}$$

3.

$$\begin{array}{c} \boxed{4} + \boxed{4} = \boxed{} \\ \boxed{} + \boxed{} = \boxed{} \end{array}$$

7.

$$\begin{array}{c} \boxed{6} + \boxed{4} = \boxed{} \\ \boxed{} + \boxed{} = \boxed{} \end{array}$$

4.

$$\begin{array}{c} \boxed{4} + \boxed{6} = \boxed{} \\ \boxed{} + \boxed{} = \boxed{} \end{array}$$

8.

$$\begin{array}{c} \boxed{3} + \boxed{4} = \boxed{} \\ \boxed{} + \boxed{} = \boxed{} \end{array}$$

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.



EXERCISE 4.2:

True or False? Put a tick (✓) by the correct answer.

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