

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.

$$3 + 2 = 5$$

$$\text{ODD} + \text{EVEN} = \text{ODD}$$

1.

$$\begin{array}{c} \square \text{ (1 dot)} \\ \square \\ \square \end{array} + \begin{array}{c} \square \text{ (3 dots)} \\ \square \\ \square \end{array} = \begin{array}{c} \square \\ \square \\ \square \end{array}$$

5.

$$\begin{array}{c} \square \text{ (3 dots)} \\ \square \\ \square \end{array} + \begin{array}{c} \square \text{ (4 dots)} \\ \square \\ \square \end{array} = \begin{array}{c} \square \\ \square \\ \square \end{array}$$

2.

$$\begin{array}{c} \square \text{ (2 dots)} \\ \square \\ \square \end{array} + \begin{array}{c} \square \text{ (6 dots)} \\ \square \\ \square \end{array} = \begin{array}{c} \square \\ \square \\ \square \end{array}$$

6.

$$\begin{array}{c} \square \text{ (5 dots)} \\ \square \\ \square \end{array} + \begin{array}{c} \square \text{ (2 dots)} \\ \square \\ \square \end{array} = \begin{array}{c} \square \\ \square \\ \square \end{array}$$

3.

$$\begin{array}{c} \square \text{ (5 dots)} \\ \square \\ \square \end{array} + \begin{array}{c} \square \text{ (5 dots)} \\ \square \\ \square \end{array} = \begin{array}{c} \square \\ \square \\ \square \end{array}$$

7.

$$\begin{array}{c} \square \text{ (6 dots)} \\ \square \\ \square \end{array} + \begin{array}{c} \square \text{ (4 dots)} \\ \square \\ \square \end{array} = \begin{array}{c} \square \\ \square \\ \square \end{array}$$

4.

$$\begin{array}{c} \square \text{ (4 dots)} \\ \square \\ \square \end{array} + \begin{array}{c} \square \text{ (6 dots)} \\ \square \\ \square \end{array} = \begin{array}{c} \square \\ \square \\ \square \end{array}$$

8.

$$\begin{array}{c} \square \text{ (2 dots)} \\ \square \\ \square \end{array} + \begin{array}{c} \square \text{ (5 dots)} \\ \square \\ \square \end{array} = \begin{array}{c} \square \\ \square \\ \square \end{array}$$

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 |