

# MathFLIX CHALLENGE

## Consecutive Number Patterns

Study the consecutive numbers below to calculate the sums. Can you discover any patterns?

### Easy

Consecutive Numbers	Sum
5, 6	_____
5, 6, 7,	_____
5, 6, 7, 8,	_____
5, 6, 7, 8, 9,	_____
5, 6, 7, 8, 9, 10	_____

Consecutive Odd Numbers	Sum
1, 3	_____
5, 7, 9	_____
11, 13, 15, 17	_____

Consecutive Even Numbers	Sum
2, 4	_____
6, 8, 10	_____
12, 14, 16, 18	_____

Check out this short cut for adding consecutive numbers.

2, 4, 6, 8, 10, 12

$$\begin{array}{r}
 2 + 12 = 14 \\
 4 + 10 = 14 \\
 6 + 8 = \underline{+14} \\
 \hline
 42
 \end{array}$$

1, 2, 3, 4, 5

$$\begin{array}{r}
 1 + 5 = 6 \\
 2 + 4 = 6 \\
 \hline
 +3 \\
 \hline
 15
 \end{array}$$

### Challenging

#### Consecutive Numbers

What two consecutive numbers equal 51?

\_\_\_\_\_

What three consecutive numbers equal 36?

\_\_\_\_\_

What four consecutive numbers equal 22?

\_\_\_\_\_

What five consecutive numbers equal 60?

What six consecutive numbers equal 99?

\_\_\_\_\_

#### Consecutive Odd Numbers

What two consecutive odd numbers equal 8?

\_\_\_\_\_

What three consecutive odd numbers equal 27?

\_\_\_\_\_

What four consecutive odd numbers equal 96?

\_\_\_\_\_

#### Consecutive Even Numbers

What two consecutive even numbers equal 22?

\_\_\_\_\_

What three consecutive even numbers equal 66?

\_\_\_\_\_

What four consecutive even numbers equal 300?

\_\_\_\_\_