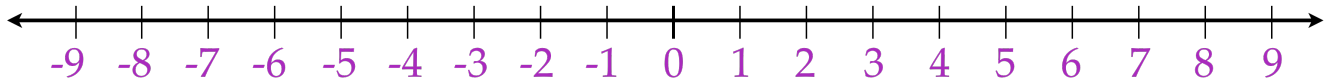


Consecutive Integers

Integers



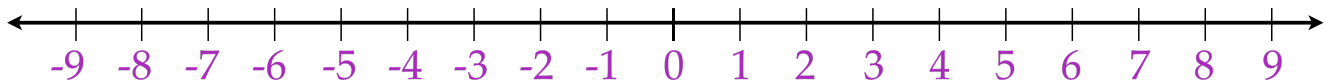
Consecutive Integers

are **integers** that follow in sequence, each number being **1** more than the previous number

Ex. **1, 2, 3, 4**

Ex. **13, 14**

Integers



Consecutive Integers

are **integers** that follow in sequence, each number being **1** more than the previous number

n , **$n + 1$** , **$n + 2$** , **$n + 3$** ...

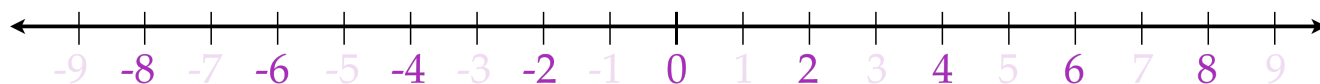
1st

2nd

3rd

4th

Integers



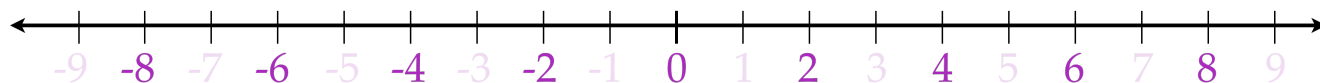
Consecutive Even Integers

If we start with an **even integer**, **consecutive even integers** are **integers** that follow in sequence, each number being **2** more than the previous number

Ex. **2, 4, 6, 8**

Ex. **26, 28**

Integers



Consecutive Even Integers

If we start with an **even integer**, **consecutive even integers** are **integers** that follow in sequence, each number being **2** more than the previous number

$$n, n + 2, n + 4, n + 6 \dots$$

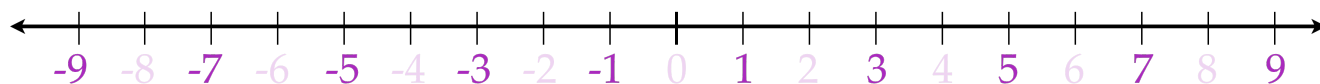
1st

2nd

3rd

4th

Integers



Consecutive Odd Integers

If we start with an **odd integer**, **consecutive odd integers** are **integers** that follow in sequence, each number being **2** more than the previous number

Ex. **1, 3, 5, 7**

Ex. **29, 31**

Integers



Consecutive Odd Integers

If we start with an **odd integer**, **consecutive odd integers** are **integers** that follow in sequence, each number being **2** more than the previous number

$$n, n + 2, n + 4, n + 6 \dots$$

1st

2nd

3rd

4th

Term	Consecutive Integers	Consecutive Even Integers	Consecutive Odd Integers
1st	n	n	n
2nd	$n + 1$	$n + 2$	$n + 2$
3rd	$n + 2$	$n + 4$	$n + 4$
4th	$n + 3$	$n + 6$	$n + 6$

The sum of **three consecutive integers** is 27. What is the largest of these integers?

The lengths of the sides of a triangle are **consecutive even integers**. If the perimeter of the triangle is 48, what is the length of the smallest side?