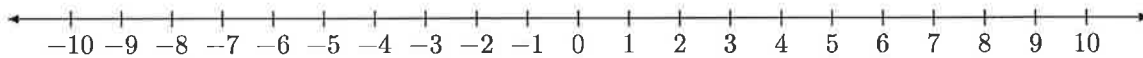# The Number Line and Negative Numbers

In this worksheet, we will learn how to use number lines to help us think about negative numbers. We will also learn how to use number lines to simplify expressions with negative numbers. Before starting, you may wish to watch the Penrose GED Prep video on order of operations. Starred problems ($\star$) have video solutions.

- Adding a negative number is the same as *subtracting*

- Subtracting a negative number is the same as *adding*

Simplify the following addition and subtraction problems using the number line above:

$\star$ $3 + (-6)$ $= 3 - 6 = -3$

- $-2 + 4$ $= 2$

- $-11 - 2$ $= -13$

- $3 - (-5)$ $= 3 + 5 = 8$

These problems are similar, but are slightly more complicated than those above. You may wish to draw your own number line below to help solve these problems.

$\star$ $-5 - (-5)$ $= -5 + 5 = 0$

- $-2 - (-4)$ $= -2 + 4 = 2$

★ $3 + 2 - 7$ $= -2$

• $6 - 8 + 2 - (-9)$ $= 6 - 8 + 2 + 9 = 9$

For more information on negative numbers and number lines, you can click on the links below.

- Penrose GED Prep Video
- Math is Fun
- Khan Academy