Review Exercise Set 6

Exercise 1: On the number line, which number is 3 units to the left of 5?

```
-8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8
```

Exercise 2: On the number line below, if F = 0 and G = 1 what numbers are A and C?

```
A B C D E F G H I J K
```

Exercise 3: Place the correct symbol "<" or ">" between the two numbers.

\[-51 \underline{\hspace{1cm}} 33\]

Exercise 4: Given the following numbers, what is the correct way to list them from smallest to largest?

\[-10, 4, 18, -7, 0\]

Exercise 5: Place the correct symbol "<", ",=" or ">" between the two numbers.

\[|-11| \underline{\hspace{1cm}} |3|\]

Exercise 6: Given the following numbers, what is the correct way to list them from smallest to largest?

\[-|-10|, 4, -(-18), |-7|\]
Review Exercise Set 6 Answer Key

Exercise 1: On the number line, which number is 3 units to the left of 5?

```
-8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8
```

number = 2

Exercise 2: On the number line below, if F = 0 and G = 1 what numbers are A and C?

```
A B C D E F G H I J K
-5 -4 -3 -2 -1 0 1 2 3 4 5
```

A = -5 and C = -3

Since the difference between F and G is one unit, the difference between each letter must also be one unit. Applying this pattern to the number line will show that A is negative five and C is negative three.

Exercise 3: Place the correct symbol "<" or ">" between the two numbers.

-51 ___ 33

-51 < 33

Exercise 4: Given the following numbers, what is the correct way to list them from smallest to largest?

-10, 4, 18, -7, 0

-10, -7, 0, 4, 18
Exercise 5: Place the correct symbol "<", "=" or ">" between the two numbers.

\[ |-11| \quad \_\_ \quad |3| \]

\[ |-11| > |3| \]

Remember to the absolute value of a number is the number without a sign. So the absolute value of negative eleven (-11) is eleven (11). Eleven is larger than three so the correct symbol would be the greater than sign ">".

Exercise 6: Given the following numbers, what is the correct way to list them from smallest to largest?

\[ -(10) \quad 4 \quad -(18) \quad |-7| \]

\[ -(10) \quad 4 \quad 18 \quad 7 \]

\[ -10 \quad 4 \quad 18 \quad 7 \]

\[ -10, 4, 7, 18 \]

First, simplify the list of numbers by removing the absolute value symbols and the parenthesis. Then list the numbers from smallest to largest.