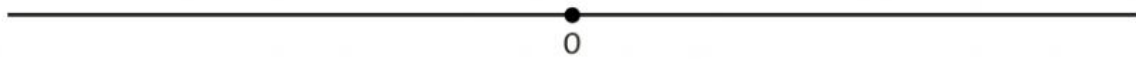**Name: Dimeji Olugbodi**
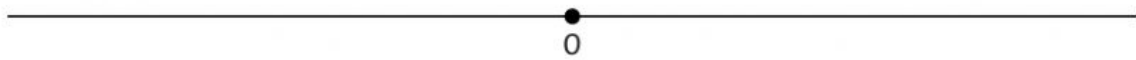**Class: Year 5**
Date: _____
Subject: Math
Learning objective: I can solve problems involving temperature.

1. Use an empty number line to calculate the difference between a negative and a positive number.
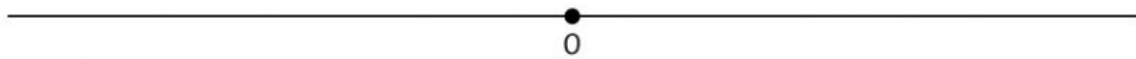
   a. 13 and -8

   ————————————————•————————————————
                             0

   b. -6 and 19

   ————————————————•————————————————
                             0

   c. 7 and -11

   ————————————————•————————————————
                             0

2. Use an empty number line to calculate the difference between two negative numbers.

   a. -8 and -15

   ————————————————————————————————•——————
                                            0

   b. -3 and -19

   ————————————————————————————————•——————
                                          0

   c. -17 and -2

   ————————————————————————————————•——————
                                          0

3. Here are the minimum and maximum temperatures between different cities around the world in January:

City	Minimum	Maximum
Nanjing (China)	-2˚C	7˚C
Potsdam (Germany)	-3˚C	2˚C
London (England)	3˚C	8˚C
Toronto (Canada)	-7˚C	-1˚C

a. What is the difference in minimum temperature between Potsdam and Toronto? Show how you worked out the answer.

b. What is the difference in maximum temperature between London and Potsdam? Show how you worked out the answer.

4. Complete this table. Calculate the differences in minimum and maximum temperatures for each city. Show in the space under the table how you worked out your answer.

City	Minimum	Maximum	Difference
Nanjing (China)	-2˚C	7˚C	
Potsdam (Germany)	-3˚C	2˚C	
London (England)	3˚C	8˚C	
Toronto (Canada)	-7˚C	-1˚C	

Nanjing

Potsdam

London

Toronto