Lesson 8

Objective:
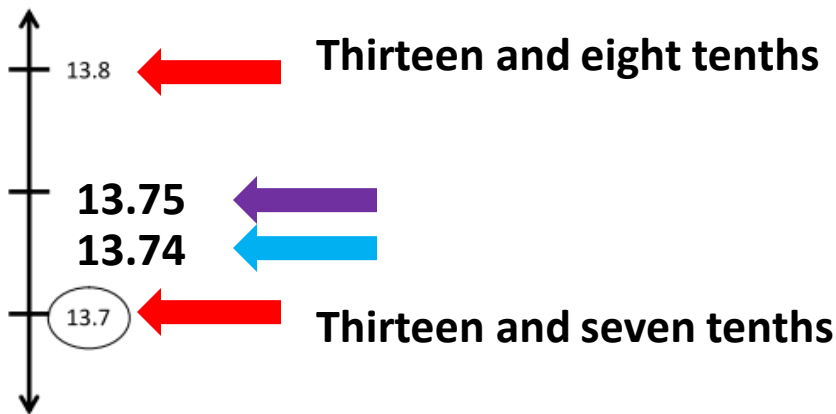
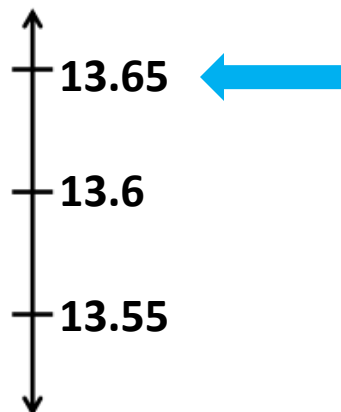I can round decimals to any place value using a number line.

EUREKA MATH™

3. A decimal number has two digits to the right of its decimal point. If we round it to the nearest tenth, the result is 13.7.

a. What is the maximum possible value of this number? Use words and the number line to explain your reasoning. Include the midpoint on your number line.

13.8 — **Thirteen and eight tenths**

13.75
13.74

13.7 — **Thirteen and seven tenths**

The question is asking, what would be the MAXIMUM hundredths place in order to give an answer of 13.7 when rounded to the tenths place?

The answer for part A has to be 13.74 because 13.74 would round DOWN to 13.7.

b. What is the minimum possible value of this decimal? Use words and the number line to explain your reasoning. Include the midpoint on your number line.

13.65

13.6

13.55

Now, the question is asking, what would be the MINIMUM hundredths place in order to give an answer of 13.7 when rounded to the tenths place?

The answer for part B has to be 13.65 because that would round UP to 13.7.

Eureka Math – Module 1

Your tasks:

1. **Watch Lesson 8 Video – Complete Ed-Puzzle quiz questions**
2. **Complete Lesson 8 Problem Set (Google Classroom)**
3. Work on your **IXL Diagnostic**

You have a lot to do – Don't waste time!