



7TH GRADE TI-73 ACTIVITY 28: Circumscribing a Circle about a Triangle

ACTIVITY OVERVIEW:

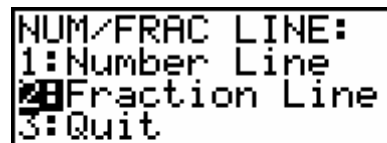
In this activity we will

- Compare decimal numbers using the Number Line Application

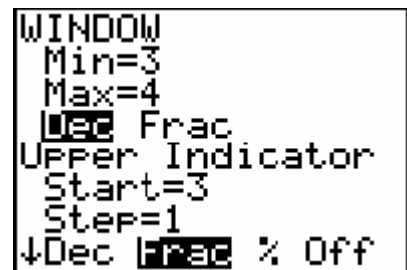


When you look at two numbers with decimals, how do you decide which one is bigger? We will use the NUMBER LINE application to help develop a method.

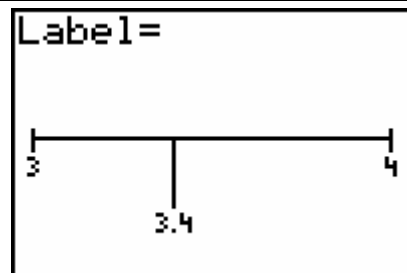
Press the **[APPS]** key and arrow down to NUMLINE.
Press **[ENTER]** twice to get to the main menu 2:
Fraction Line. Press **[ENTER]**



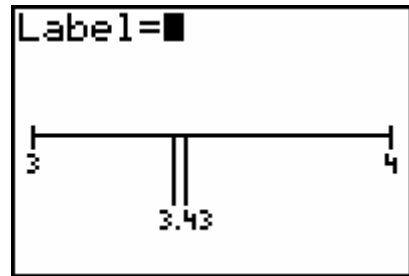
We want to compare 3.4 and 3.43. First we need to set the window. Set the window like the one on the right. Also arrow down and set the lower Indicator to off.



Press graph to ensure that you are between 3 and 4
Now Press the **[DRAW]** key and select 1: Draw label.
Type 3.4 and press **[ENTER]**.



Now type 3.43 and press **ENTER**. Which number is bigger according to the number line?



In order to attempt another problem, press the **DRAW** key and select **2:ClrDraw** and press **ENTER**.

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DRAW
1: DrawLabel
2: ClrDraw
    
```

Now press **DRAW** again and select 1: DrawLabel to try a new problem

```

DRAW
1: DrawLabel
2: ClrDraw
    
```

Now try these try these problems to develop a strategy for comparing decimal numbers.

- 3.23 ___ 3.238
- 3.4 ___ 3.81
- 3.445 ___ 3.719
- 3.0003 ___ 3.3
- 2.848 ___ 3.59
- 3.1 ___ 3.002