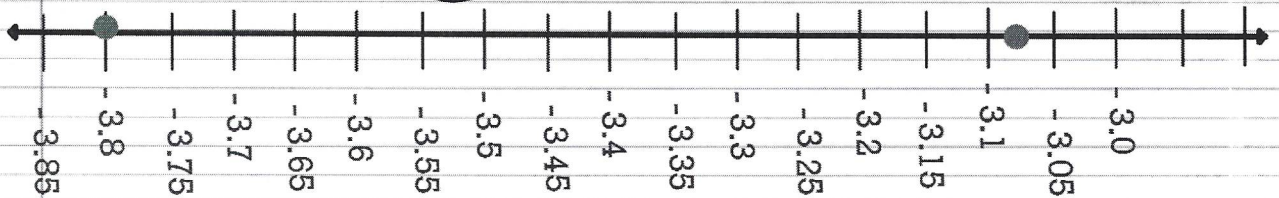


6.3 Fractions and Decimals on the Number Line Continued

Complete numbers 9 - 10 in your composition book.

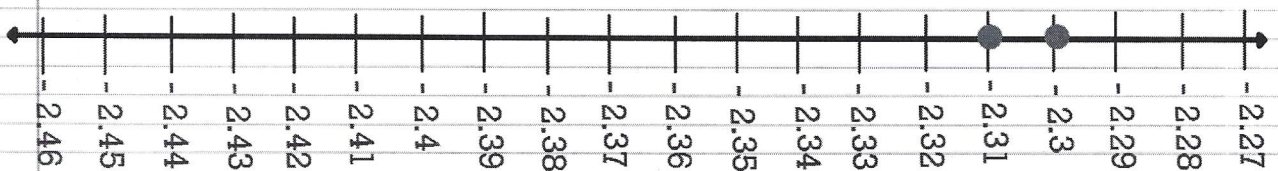
- 9) Compare -3.08 and -3.8.

$$-3.08 > -3.8$$



- 10) Compare -2.3 and -2.31.

$$-2.3 > -2.31$$



Complete numbers 13 - 15 on your notes page.

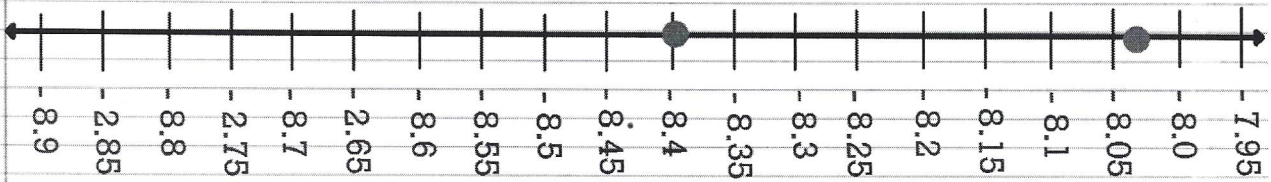
13)

$$-7.3 < 6.7$$



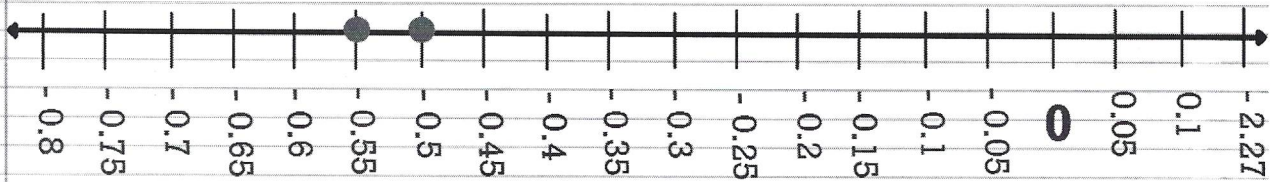
14)

$$-8.04 > -8.4$$



15)

$$-0.5 > -0.55$$



Complete number 11 in your composition book.

STARS The *apparent magnitude* of a star measures how bright the star appears as seen from Earth. The brighter the star, the lesser the number. Which star is the brightest?

Star	Alpha Centauri	Antares	Canopus	Deneb	Sirius
Apparent Magnitude	-0.27	0.96	-0.72	1.25	-1.46

- 1.46 - 0.72 - 0.27 0 0.96 1.25

The brightest star is Sirius.

Complete number 16 on your notes page.

16) PROBLEM SOLVING A guitar tuner allows you to tune a guitar string to its correct pitch. The units on a tuner are measured in *cents*. The units tell you how far the string tone is above or below the correct pitch.

Guitar String	6	5	4	3	2	1
Number of Cents Away from the Correct Pitch	-0.3	1.6	-2.3	2.8	2.4	-3.6

- What number on the tuner represents a correctly tuned guitar string? **0**
- Which strings have a pitch below the correct pitch? **1, 4, and 6**
- Which string has a pitch closest to its correct pitch? **6**
- Which string has a pitch farthest from its correct pitch? **1**
- The tuner is rated to be accurate to within 0.5 cent of the true pitch. Which string could possibly be correct? **6**

