

## 6.3 (pg. 262) Fractions and Decimals on the Number Line

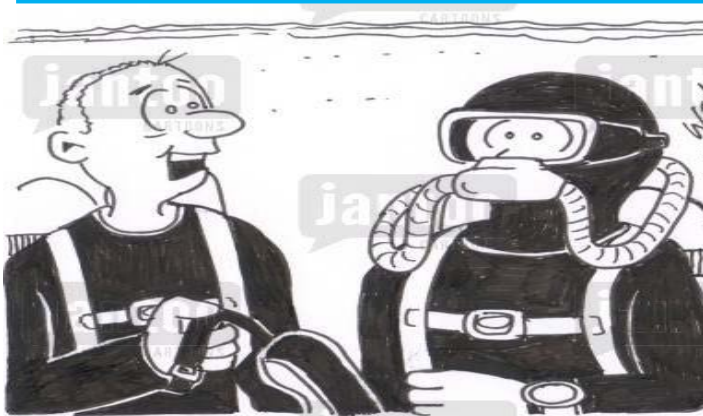
You can use a number line to compare and order positive and negative fractions and decimals.



Few creatures strike more terror into the hearts of deep sea divers than the Hammerhand Squid.

Ex.  $\frac{-4}{5} \bigcirc \frac{-2}{3} \longrightarrow \frac{-12}{15} \bigcirc \frac{-10}{15}$

You can rename the fractions using the Least Common Denominator (LCD).



"Have you ever wondered how deep the ocean would be without sponges?"

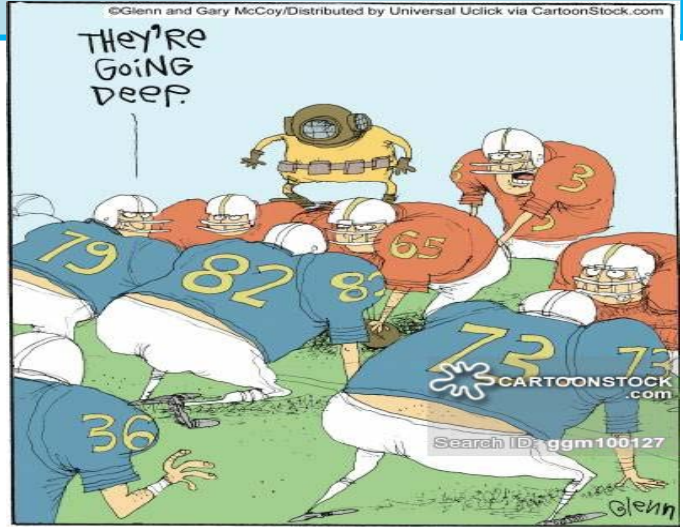


When comparing fractions and decimals, you can write the fraction as a decimal and then compare.

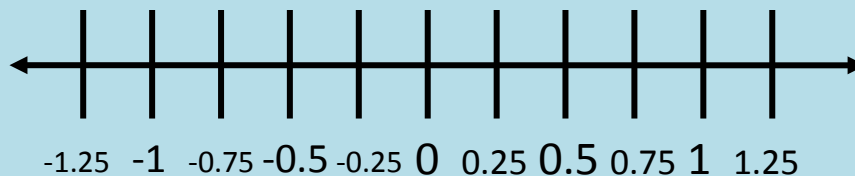
Ex.

$$-0.91 \quad \bigcirc \quad -\frac{7}{8}$$

$$-0.91 \quad \bigcirc \quad -0.875$$



Placing the fractions or decimals on a number line may also help solve ordering and comparing problems.



Which number is greater?

- -0.75 or 0.5
- 1.25 or -0.5
- -1 or 0

