

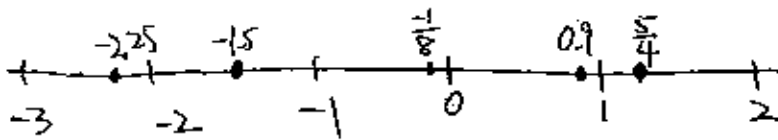
**Learning Outcomes Covered:****3A:** I can compare and order rational numbers.**CONTENT Assessment Questions:**

1. Which of the following numbers are equal to  $-\frac{4}{5}$ ? Circle all that apply.

$$\frac{4}{5}, -\frac{5}{4}, \left(-\frac{4}{5}\right), -\frac{4}{5}, \left(-\frac{8}{10}\right)$$

2. Sketch a number line and mark each rational number on it. Order the numbers from greatest to least.

$$-2.25, \frac{5}{4}, -1.5, -\frac{1}{8}, 0.9$$



$$\frac{5}{4} > 0.9 > -\frac{1}{8} > -1.5 > -2.25$$

**CURRICULAR COMPETENCIES Questions:**

1. In each pair, which rational number is greater? Explain how you know. (CmRp)

a)  $-7.3, \left(-7.2\right)$

$-7.2$  is less negative than  $-7.3$

b)  $\frac{4}{5}, \left(\frac{5}{4}\right)$

$\frac{5}{4} > 1$  whereas  $\frac{4}{5} < 1$

c)  $\left(1.2\right), -1.3$

$1.2$  is positive  
 $-1.3$  is negative.

d)  $\left(\frac{10}{13}\right), \frac{10}{11}$

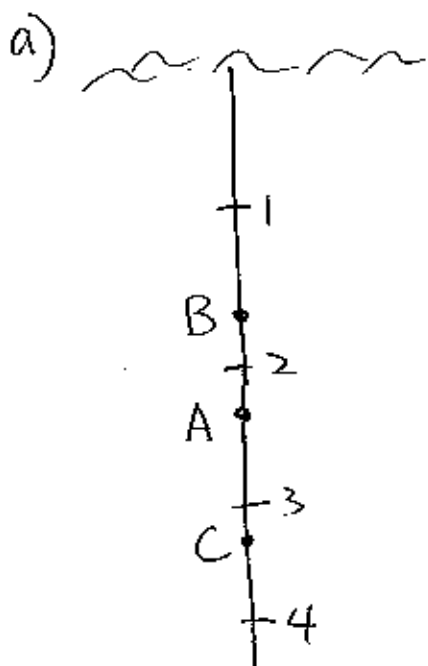
$\frac{10}{11}$  is almost  $-1$   $\therefore$  more negative.  
 $\frac{10}{13}$  is further away from  $-1$

2. Diver A is 2.3 m below sea level.  
Diver B is 1.7 m below sea level.  
Diver C is 3.2 m below sea level.

a) Draw a vertical number line to show the location of the divers.

b) Which diver is farthest from the surface?

Explain your thinking.



b) C is farthest from the surface, because the distance from the surface is largest.

**ONGOING LEARNING ACTIVITIES:**

CORE: Page 101: Curricular Competencies: 13, 16, 17, 18, 19, 20, 22

Content: 5, 8, 10, 14aceg, 15, 21, 23ac, 24 ac

ADVANCED: Page 103: 26, 27