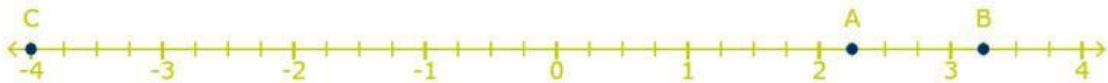




## Representation of the Rational Numbers

Consider the following number line:



What are the rational numbers represented by the points  $A$ ,  $B$ , and  $C$  respectively?

a.  $\frac{13}{4}, 3, \frac{9}{4}$

b.  $\frac{9}{4}, \frac{13}{4}, -4$

c.  $\frac{13}{4}, -4, \frac{9}{4}$

d.  $\frac{9}{4}, \frac{13}{4}, 3$

If  $\frac{p}{q}$  lies to the left of  $\frac{r}{s}$  on the number line, then

a.  $\frac{p}{q} < \frac{r}{s}$

b.  $\frac{p}{q} = \frac{r}{s}$

c.  $\frac{p}{q} > \frac{r}{s}$

d. Both (a) and (c)

Which point represents  $\frac{2}{9}$ ?



a.  $W$

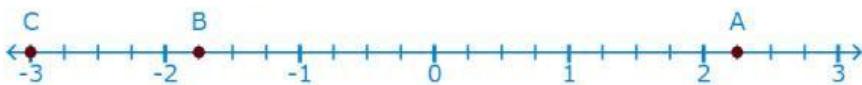
b.  $Y$

c.  $Z$

d.  $X$



Consider the following number line:



What are the rational numbers represented by the points A, B, and C respectively?

a.  $\frac{9}{4}, \frac{-7}{4}, -2$

b.  $\frac{-7}{4}, -3, \frac{9}{4}$

c.  $\frac{-7}{4}, -2, \frac{9}{4}$

d.  $\frac{9}{4}, \frac{-7}{4}, -3$

Which of the following statements are true?

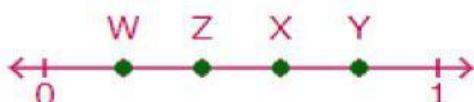
a. The rational numbers  $\frac{46}{95}$  and  $\frac{-59}{89}$  are on the opposite side of 0 on the number line.

b. The rational number  $\frac{-10}{-77}$  lies to the left of 0 on the number line.

c.  $\frac{-85}{88}$  lies to the right of 0 on the number line.

d.  $\frac{-10}{77}$  lies to the left of 0 on the number line.

The point that represents  $\frac{4}{5}$  is \_\_\_\_\_.



Let A and B represent the numbers 0 and 5 respectively on the number line.

Points C, D and E are between A and B such that  $AC = CD = DE = EB$ .

What are the rational numbers represented by the points C, D, E respectively?

a.  $\frac{5}{4}, \frac{5}{4}, \frac{15}{4}$

b.  $\frac{5}{4}, \frac{5}{2}, \frac{19}{4}$

c.  $\frac{5}{4}, \frac{5}{2}, \frac{15}{4}$

d. None of these