

Concept CW_Grade-7_Rational Numbers

Representation of Rational Numbers

Which of the following statements are true or false?

- (i) $-3/5$ lies to the left of 0 on the number line.
- (ii) The rational number $29/23$ lies to the left of 0 on the number line.
- (iii) $-12/7$ lies to the right of 0 on the number line.
- (iv) The rational number $(-12)/(-17)$ lies to the left of 0 on the number line.
- (v) The rational numbers $1/3$ and $-5/2$ are on the opposite sides of 0 on the number line.
- (vi) The rational number $3/4$ lies to the right of 0 on the number line.
- (vii) The rational number $-18/-13$ lies to the left of 0 on the number line.
- (viii) The rational numbers $(-12)/(-5)$ and $(-7)/17$ are on the opposite sides of 0 on the number line.
- (ix) The rational numbers $(-21)/5$ and $7/(-31)$ are on the opposite sides of 0 on the number line.
- (x) The rational number $(-3)/(-5)$ is on the right of $(-4)/7$ on the number line.

1. Between which two numbers does the Rational Number $8/3$ lie?

2. Between which two numbers the Rational Number $-11/3$ lie?

3. Which of the following statements is true or false

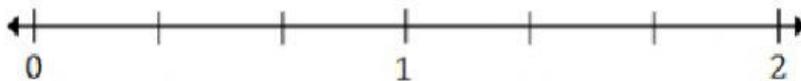
- (i) $-1/5$ lies to the left of 0 on the number line.
- (ii) The Rational Number $19/23$ lies to the left of 0 on the number line.
- (iii) $-12/5$ lies to the right of 0 on the number line.
- (iv) The rational numbers $1/4$ and $-5/2$ are on the opposite sides of 0 on the number line.
- (v) The rational numbers $(-11)/(-5)$ and $(-4)/17$ are on the opposite sides of 0 on the number line.

Plot the following rational numbers on the number line.

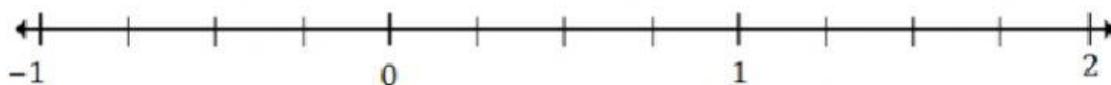
1. Plot $-\frac{1}{3}$ and $1\frac{2}{3}$ on the number line below



2. Plot $\frac{2}{3}$ and $1\frac{1}{3}$ on the number line below



3. Plot $-\frac{1}{2}$ and $1\frac{3}{4}$ on the number line below



4. Plot $\frac{1}{4}$ and $1\frac{2}{4}$ on the number line below

