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Period 2

Representation of Rational Numbers on Number Line

SUBJECT : MATHEMATICS
CHAPTER NUMBER: 02
CHAPTER NAME : RATIONAL NUMBERS

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Learning outcomes

Students will be

- To imagine the position of a rational number on a number line.
- To define its position in terms of (between two)numbers

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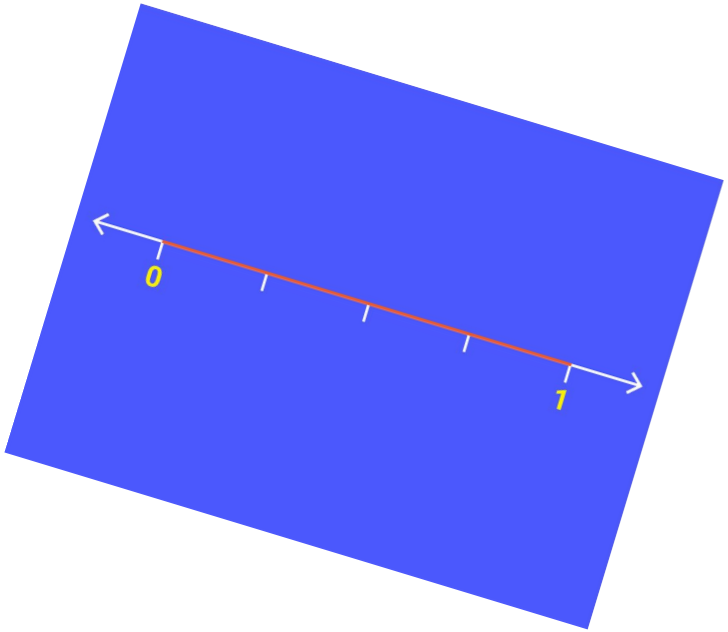
Video on

Representation of Rational Numbers on Number Line
1)https://www.youtube.com/watch?v=J-mrAZbOvQ8 (1;27)
2) https://www.youtube.com/watch?v=WynEmwOyMjE
(3:47 secs)



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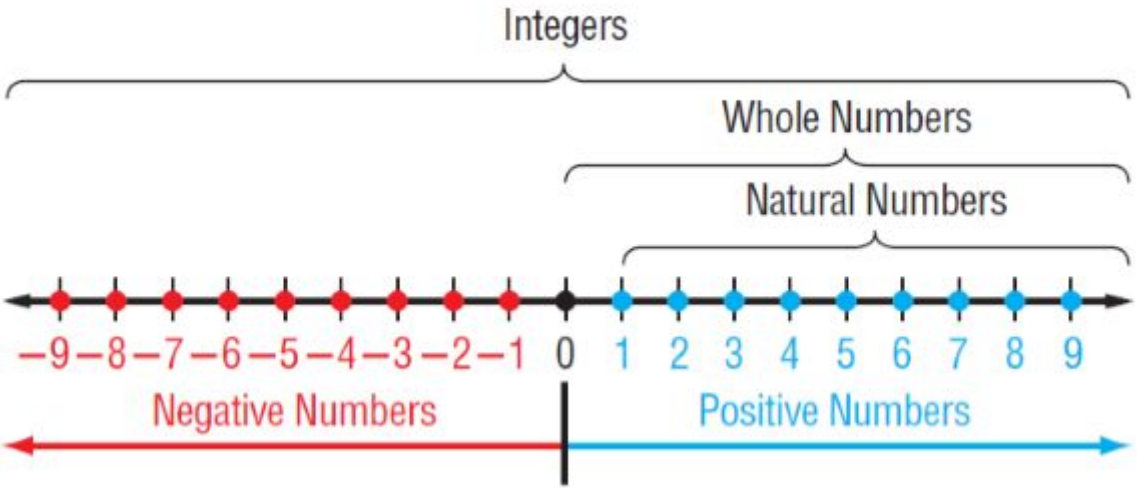
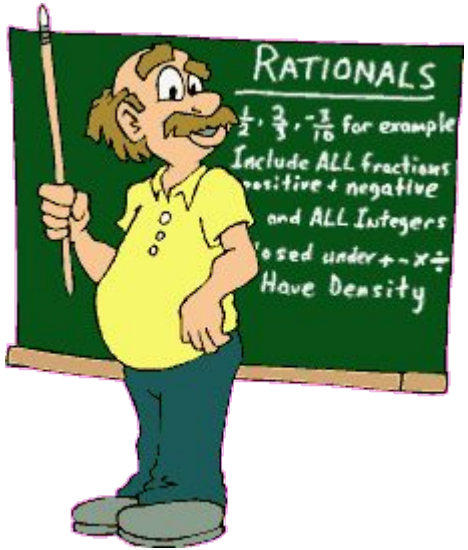
Rational Numbers on the Number Line

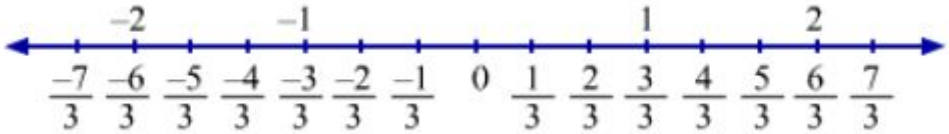
Representation of whole numbers, natural numbers and integers on a number line is done as follows





Representation of rational numbers can be done on a number line as follows:

positive rational numbers are on the right of 0 and negative rational numbers are on the left of 0.



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EXB

Q1. Mark the following pairs of rational numbers on the separate number lines:

(i) 3/4 and -1/4

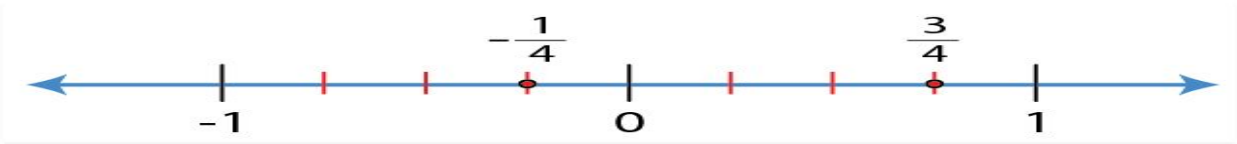
(ii) 2/5 and -3/5

(iii) 5/6 and -2/3

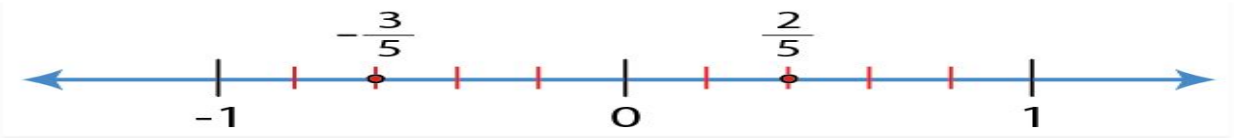
(iv) 2/5 and -4/5

(v) 1/4 and -5/4

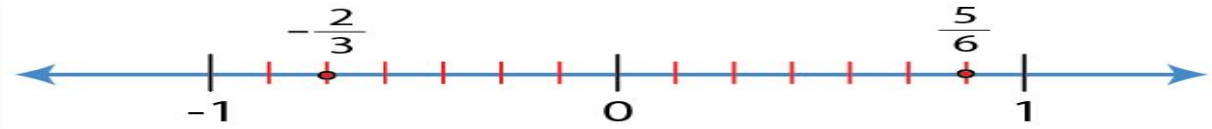
(i) 3/4 and -1/4



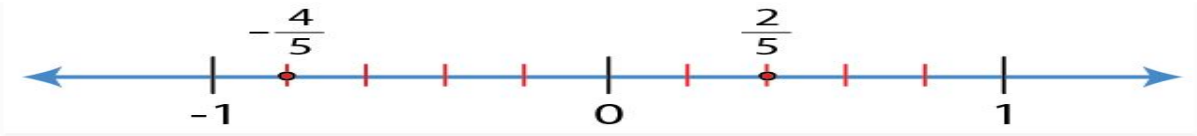
(ii) 2/5 and -3/5



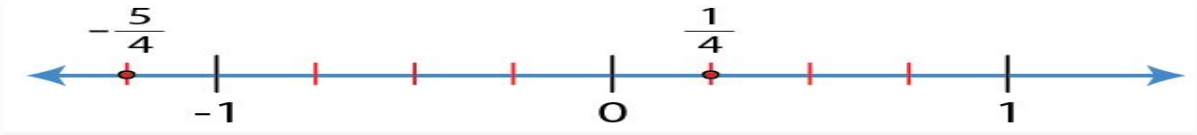
(iii) 5/6 and -2/3



(iv) 2/5 and -4/5



(v) 1/4 and -5/4



Note : Write given rational number in standard form before representation on number line.

H.W.
Exercise 2 B Q.No.5

H.W.

Represent the following rational numbers on a number line.

$\frac{3}{8}, \frac{-7}{3}, \frac{22}{-6}$

THANKING YOU

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