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RATIONAL NUMBERS

PERIOD 7

SUBJECT : MATHEMATICS
CHAPTER NUMBER: 1
CHAPTER NAME : RATIONAL NUMBERS

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Learning outcome

Students will be able to represent rational numbers on the number line

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Previous Knowledge:

1. The product of two rational numbers is -2. If one of them is 4/7, find the other.
2. The product of two numbers is −49. If one of them is −22/7, find the other
3. By what number must −3/4 be multiplied so that the product is −9/16 ?

Representation of rational numbers on the number line
https://www.youtube.com/watch?v=WynEmwOyMjE (3:47)

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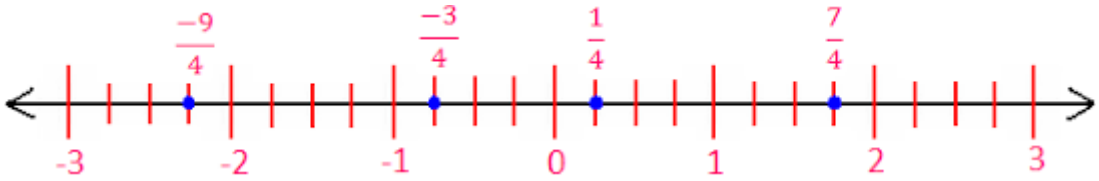
Represent 1/8 on number line

$\frac{1}{8} < 1$, therefore $\frac{1}{8}$ can be represented on the number line between 0 and 1. In the denominator of $\frac{1}{8}$, there is 8, so we will have to divide 0 to 1 in 8 equal parts on number line. His first part is $\frac{1}{8}$, second part is $\frac{2}{8}$ is represented respectively. Represent $\frac{1}{8}$ as ● :

Representation 7/4 on number line



Draw the number line and represent the following positive rational numbers on it:

(i) 1/3
(ii) 2/3

(iii) 2/7
(iv) 3/4
(vi) 3/8

THANKING YOU

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