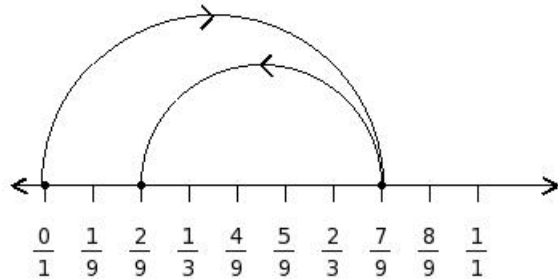


EduSahara™ Learning Center Assignment

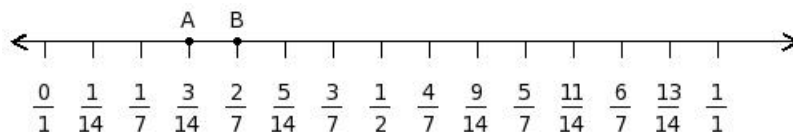
Grade : Class VII, CBSE
Chapter : Rational Numbers
Name : Rational Number Line
Licensed To : Teachers and Students for non-commercial use

1. Find the equation representing the following number line diagram



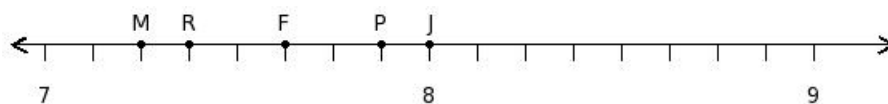
- (i) $\frac{2}{3} + \frac{5}{9} = \frac{11}{9}$ (ii) $\frac{7}{9} - \frac{8}{9} = (-\frac{1}{9})$ (iii) $\frac{1}{1} - \frac{5}{9} = \frac{4}{9}$
 (iv) $\frac{8}{9} + \frac{7}{9} = \frac{5}{3}$ (v) $\frac{7}{9} - \frac{5}{9} = \frac{2}{9}$

2. Find the difference between the values of numbers at point A and B



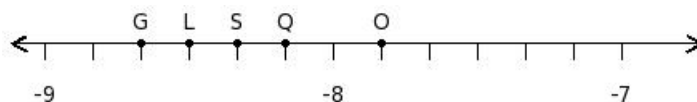
- (i) $(-\frac{3}{14})$ (ii) $(-\frac{1}{16})$ (iii) $(-\frac{1}{12})$ (iv) $\frac{1}{14}$ (v) $(-\frac{1}{14})$

3. Find the position of the rational number $\frac{61}{8}$ on the number line



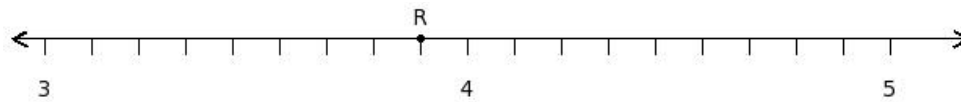
- (i) P (ii) R (iii) J (iv) M (v) F

4. Find the position of the rational number $(-\frac{49}{6})$ on the number line



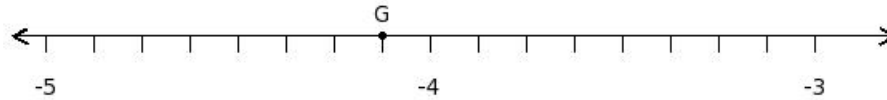
- (i) L (ii) S (iii) O (iv) G (v) Q

5. Find the rational number at the point labelled with letter R



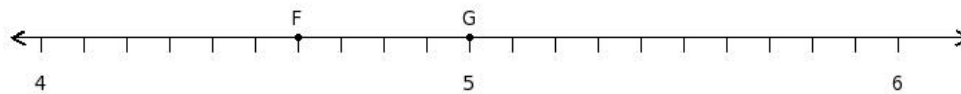
- (i) $\frac{35}{11}$ (ii) 5 (iii) $\frac{35}{9}$ (iv) $\frac{11}{3}$ (v) $\frac{37}{9}$

6. Find the rational number at the point labelled with letter G



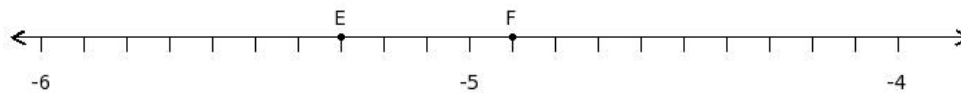
- (i) $(-\frac{35}{8})$ (ii) $(-\frac{31}{8})$ (iii) $(-\frac{11}{2})$ (iv) $(-\frac{33}{8})$ (v) $(-\frac{33}{10})$

7. Find the sum of the rational numbers at the points labelled with letters F and G



- (i) $\frac{66}{7}$ (ii) 10 (iii) $\frac{48}{5}$ (iv) $\frac{46}{5}$

8. Find the sum of the rational numbers at the points labelled with letters E and F



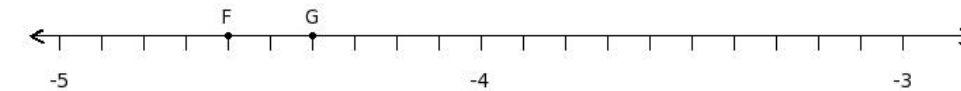
- (i) $(-\frac{53}{5})$ (ii) $(-\frac{71}{7})$ (iii) $(-\frac{31}{3})$ (iv) $(-\frac{49}{5})$ (v) $(-\frac{51}{5})$

9. Find the difference of the rational numbers at the points labelled with letters P and Q



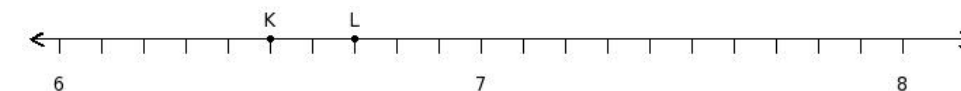
- (i) 0 (ii) $\frac{2}{3}$ (iii) $\frac{2}{7}$ (iv) $\frac{4}{5}$ (v) $\frac{2}{5}$

10. Find the difference of the rational numbers at the points labelled with letters F and G



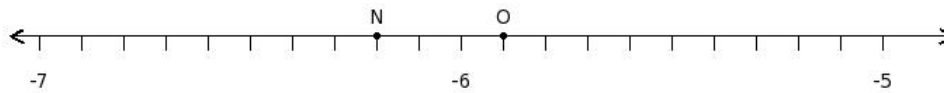
- (i) $\frac{3}{5}$ (ii) $\frac{1}{3}$ (iii) $(-\frac{1}{5})$ (iv) $\frac{1}{5}$ (v) $\frac{1}{7}$

11. Find the product of the rational numbers at the points labelled with letters K and L



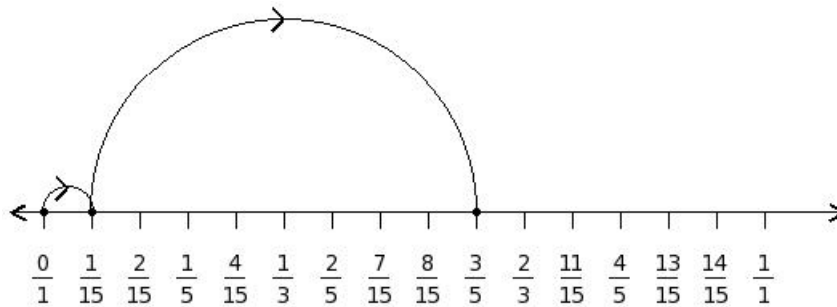
- (i) $\frac{869}{20}$ (ii) $\frac{87}{2}$ (iii) $\frac{873}{20}$ (iv) $\frac{785}{18}$ (v) $\frac{871}{20}$

12. Find the product of the rational numbers at the points labelled with letters N and O



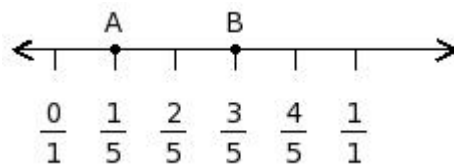
- (i) $\frac{1827}{50}$ (ii) $\frac{1757}{48}$ (iii) $\frac{1829}{50}$ (iv) $\frac{1831}{50}$ (v) $\frac{1901}{52}$

13. Find the equation representing the following number line diagram



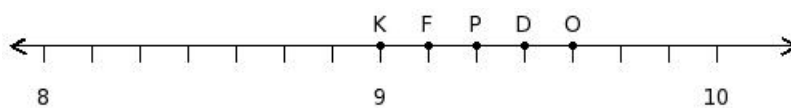
- (i) $0 + \frac{8}{15} = \frac{8}{15}$ (ii) $\frac{1}{5} - \frac{8}{15} = (-\frac{1}{3})$ (iii) $\frac{1}{15} - \frac{11}{15} = (-\frac{2}{3})$
 (iv) $\frac{1}{15} + \frac{8}{15} = \frac{3}{5}$ (v) $\frac{2}{15} + \frac{2}{3} = \frac{4}{5}$

14. Find the difference between the values of numbers at point A and B



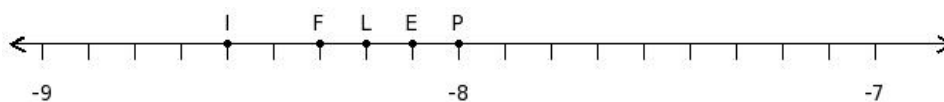
- (i) 0 (ii) $(-\frac{2}{5})$ (iii) $(-\frac{2}{7})$ (iv) $(-\frac{2}{3})$ (v) $(-\frac{4}{5})$

15. Find the position of the rational number $\frac{64}{7}$ on the number line



- (i) F (ii) P (iii) O (iv) K (v) D

16. Find the position of the rational number $(-\frac{74}{9})$ on the number line



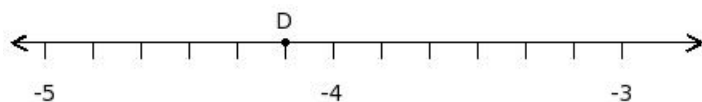
- (i) E (ii) L (iii) I (iv) F (v) P

17. Find the rational number at the point labelled with letter M



- (i) $\frac{13}{5}$ (ii) $\frac{13}{7}$ (iii) $\frac{13}{9}$ (iv) $\frac{11}{7}$ (v) $\frac{15}{7}$

18. Find the rational number at the point labelled with letter D



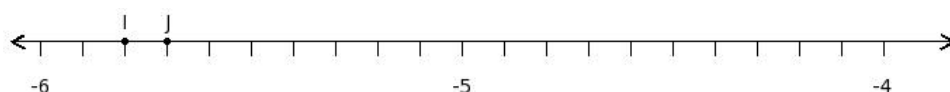
- (i) $(-\frac{25}{8})$ (ii) $(-\frac{23}{6})$ (iii) $(-\frac{25}{4})$ (iv) $(-\frac{9}{2})$ (v) $(-\frac{25}{6})$

19. Find the sum of the rational numbers at the points labelled with letters F and G



- (i) $\frac{61}{12}$ (ii) $\frac{41}{8}$ (iii) $\frac{53}{10}$ (iv) $\frac{49}{10}$ (v) $\frac{51}{10}$

20. Find the sum of the rational numbers at the points labelled with letters I and J



- (i) $(-\frac{25}{2})$ (ii) $(-\frac{45}{4})$ (iii) $(-\frac{23}{2})$ (iv) -12 (v) $(-\frac{21}{2})$

21. Find the difference of the rational numbers at the points labelled with letters G and H



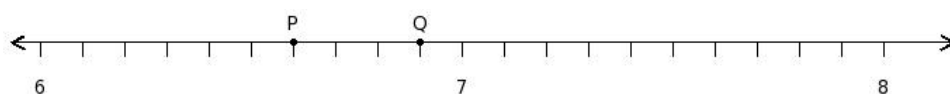
- (i) $\frac{4}{5}$ (ii) $\frac{2}{5}$ (iii) $\frac{2}{7}$ (iv) $\frac{2}{3}$ (v) 0

22. Find the difference of the rational numbers at the points labelled with letters G and H



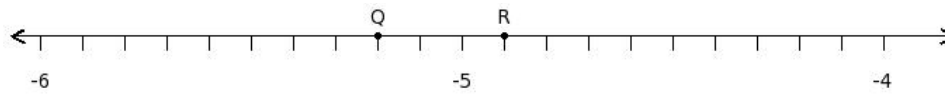
- (i) $\frac{2}{7}$ (ii) $\frac{2}{3}$ (iii) $\frac{4}{5}$ (iv) $\frac{2}{5}$ (v) 0

23. Find the product of the rational numbers at the points labelled with letters P and Q



- (i) $\frac{91}{2}$ (ii) $\frac{2279}{50}$ (iii) $\frac{729}{16}$ (iv) $\frac{2277}{50}$ (v) $\frac{2367}{52}$

24. Find the product of the rational numbers at the points labelled with letters Q and R



- (i) $\frac{229}{9}$ (ii) $\frac{127}{5}$ (iii) $\frac{639}{25}$ (iv) $\frac{587}{23}$ (v) $\frac{637}{25}$
-

Assignment Key

- 1) (v)
- 2) (v)
- 3) (v)
- 4) (v)
- 5) (iii)
- 6) (iv)
- 7) (iii)
- 8) (v)
- 9) (v)
- 10) (iv)
- 11) (v)
- 12) (iii)
- 13) (iv)
- 14) (ii)
- 15) (i)
- 16) (ii)
- 17) (ii)
- 18) (v)
- 19) (v)
- 20) (iii)
- 21) (ii)
- 22) (iv)
- 23) (iv)
- 24) (v)