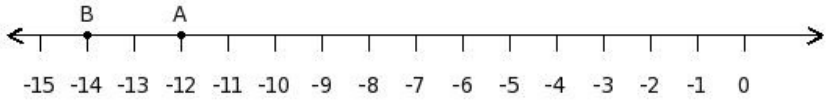
EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Rational Numbers

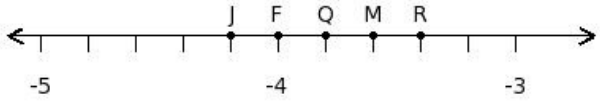
Grade : SSC Grade VIII

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



(i) 5 (ii) 2 (iii) 1 (iv) (-1) (v) 3

2. Find the position of the rational number $(\frac{-18}{5})$ on the number line



(i) F (ii) Q (iii) J (iv) M (v) R

3. 5.6 =

(i) 560 (ii) $\frac{14}{25}$ (iii) 56 (iv) $\frac{7}{125}$ (v) $\frac{28}{5}$

4. $20 - \frac{18}{13} =$ _____

(i) $\frac{244}{13}$ (ii) $\frac{242}{13}$ (iii) 22 (iv) $\frac{240}{13}$ (v) $\frac{242}{15}$

5. Which of the following decimal numbers lie between 9563 and 9564?

(i) 95634 (ii) 9562.2 (iii) 9564.4 (iv) 956.3 (v) 9563.4

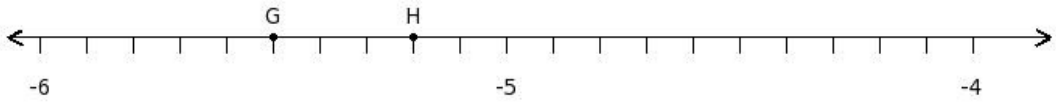
6. Find the missing value in $\frac{3}{14} +$ _____ $= \frac{1}{2}$

(i) $\frac{1}{4}$ (ii) $\frac{3}{7}$ (iii) $\frac{1}{3}$ (iv) $\frac{2}{7}$ (v) $\frac{1}{7}$

7. $\frac{14}{13} \times 9 =$ _____

(i) $\frac{124}{13}$ (ii) $\frac{128}{13}$ (iii) $\frac{126}{13}$ (iv) $\frac{42}{5}$ (v) $\frac{126}{11}$

8. Find the sum of the rational numbers at the points labelled with letters G and H



(i) $(\frac{-21}{2})$ (ii) $(\frac{-87}{8})$ (iii) $(\frac{-109}{10})$ (iv) $(\frac{-107}{10})$ (v) $(\frac{-127}{12})$

9. Convert the non-terminating recurring decimal $8.22222222222222...$ to rational number

(i) $\frac{74}{11}$ (ii) $\frac{74}{7}$ (iii) 8 (iv) $\frac{74}{9}$ (v) $\frac{76}{9}$

10. Which of the following decimal numbers lie between 8257.80 and 8257.81?

(i) 82578.043 (ii) 8257.817 (iii) 8257.799 (iv) 825.78 (v) 8257.804

11. $10 + \frac{12}{5} =$ _____

(i) $\frac{62}{5}$ (ii) 12 (iii) $\frac{64}{5}$ (iv) $\frac{62}{3}$ (v) $\frac{62}{7}$

12. The decimal number -1.0019 lies between

(i) {-1.0009,-0.9999} (ii) {-1.0029,-1.0009} (iii) {-1.0039,-1.0029} (iv) {-1.0021,-1.0020}

(v) {-1.0018,-1.0017}

13. The decimal number 0.765 lies between

(i) {0,1} (ii) {-2,-1} (iii) {-1,0} (iv) {2,3} (v) {1,2}

14. Which of the following are true?

a) $8 \times 12 = 12 \times 8$
b) $10 \div 8 = 8 \div 10$
c) $2 - 10 = 10 - 2$
d) $12 + 2 = 2 + 12$

(i) {c,d} (ii) {b,a} (iii) {b,d,a} (iv) {b,c,a} (v) {a,d}

15. Express $\frac{8}{9}$ as a decimal correct to 3 decimal places

(i) 0.789 (ii) 0.889 (iii) 1.089 (iv) 0.689 (v) 0.989

16. The decimal number 11.8 lies between

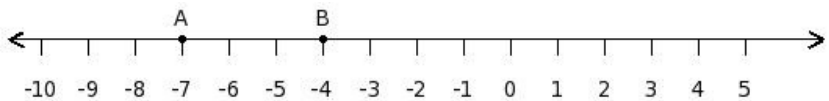
(i) {12,13} (ii) {9,10} (iii) {13,14} (iv) {10,11} (v) {11,12}

17. Which of the following is true?

a) $12.7600 - 3.7000 = 3.7000 - 12.7600$
b) $16.8400 \times 18.4200 = 18.4200 \times 16.8400$
c) $3.7000 \div 16.8400 = 16.8400 \div 3.7000$
d) $18.4200 + 12.7600 = 12.7600 + 18.4200$

(i) {b,d} (ii) {a,d,b} (iii) {a,b} (iv) {a,c,b} (v) {c,d}

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



(i) (-5) (ii) (-1) (iii) (-4) (iv) (-2) (v) (-3)

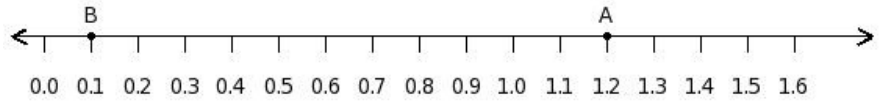
19. $12 \times \frac{1}{3} =$ _____

(i) 4 (ii) 3 (iii) 2 (iv) 5 (v) 6

20. $5 \div \frac{10}{16} =$ _____

(i) 11 (ii) 7 (iii) 8 (iv) 6 (v) 9

21. Find the difference between the decimal values at point A and B



(i) 1.1000 (ii) 1.2000 (iii) 0.9000 (iv) 1.0000 (v) 1.3000

22. $\frac{2}{16} \div 5 =$ _____

(i) $\frac{1}{40}$ (ii) $\frac{3}{40}$ (iii) $\frac{1}{42}$ (iv) $\frac{1}{38}$ (v) $(\frac{-1}{40})$

23. The solution of $\sqrt{19}$ lies between

(i) 4.36 and 4.37 (ii) 4.33 and 4.34 (iii) 4.35 and 4.36 (iv) 4.34 and 4.35 (v) 4.37 and 4.38

24. Find the periodicity of the recurring decimal $0.\overline{3}$

(i) 0 (ii) 3 (iii) 1 (iv) 2 (v) -1

25. The decimal number 0.31 lies between

(i) {0.29,0.30} (ii) {0.21,0.41} (iii) {0.32,0.33} (iv) {0.11,0.21} (v) {0.41,0.51}

Assignment Key

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