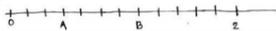


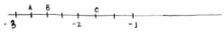
Class 8 Rational Numbers Test 1

1. A natural number can be:
- Positive
 - Negative
 - Zero
 - None of these
2. Value of $\left(\frac{4}{3}\right) \div \left(\frac{5}{6}\right)$ is equal to :
- $\frac{10}{8}$
 - $\frac{1}{8}$
 - $\frac{15}{8}$
 - $\frac{5}{13}$
3. Commutative property is true for:
- Subtraction and Multiplication
 - Addition and Division
 - Multiplication and Division
 - Addition and Multiplication
4. Which of the following number lies between $\frac{9}{4}$ and $\frac{13}{4}$?
- 1
 - 2
 - 3
 - 4
5. Which number is smallest?
- $\frac{4}{9}$
 - $\frac{-5}{6}$
 - $\frac{6}{7}$
 - $\frac{-18}{-2}$
6. Which number should be added to $\frac{-3}{4}$ to get $\frac{5}{6}$?
- $\frac{19}{12}$
 - $\frac{1}{12}$
 - $\frac{5}{8}$
 - 4
7. In which pair, both numbers are equal to each other?
- $\frac{24}{40}$ and $\frac{35}{50}$
 - $\frac{-25}{35}$ and $\frac{55}{-77}$
 - $\frac{-8}{15}$ and $\frac{-24}{48}$
 - $\frac{9}{72}$ and $\frac{-3}{-21}$
8. Additive inverse of a negative number is always:
- Positive
 - Negative
 - Can be either
 - Does not exist
9. Value of $\frac{5}{22} + \frac{3}{7} + \left(\frac{-8}{21}\right) + \left(\frac{-6}{11}\right)$ is
- $\frac{-131}{43}$
 - $\frac{-6}{61}$
 - $\frac{234}{371}$
 - $\frac{-125}{462}$
10. Which of the following is true?
- $\frac{4}{5} > \frac{5}{6} > \frac{3}{4} > \frac{7}{9}$
 - $\frac{7}{9} > \frac{5}{6} > \frac{4}{5} > \frac{3}{4}$
 - $\frac{5}{6} > \frac{4}{5} > \frac{7}{9} > \frac{3}{4}$
 - $\frac{6}{4} > \frac{5}{6} > \frac{4}{5} > \frac{7}{9}$

11. Which of the following statement is true?
- Integer are always closed under Division
 - Integer are always commutative under Division
 - Integer are always associative under Division
 - None of them is true.
12. Which of the Rational number is different from other?
- $\frac{9}{4}$
 - $\frac{17}{6}$
 - $\frac{24}{7}$
 - $\frac{14}{5}$
13. Which of the following is not closed under Subtraction?
- Rational Number
 - Whole number
 - Integer
 - None of the above
14. Cost of $8\frac{1}{4}$ metres of rope is Rs. $14\frac{2}{3}$ find. its cost per metre.
- Rs. $1\frac{7}{9}$
 - Rs. $1\frac{3}{4}$
 - Rs. $2\frac{1}{3}$
 - Rs. $1\frac{5}{6}$
15. Simplify $\left(\frac{13}{9} \times \frac{-15}{2}\right) + \left(\frac{7}{3} \times \frac{8}{5}\right) - \left(\frac{3}{5} \times \frac{1}{2}\right)$
- $\frac{-12}{15}$
 - $\frac{-58}{6}$
 - $\frac{-38}{9}$
 - $\frac{-37}{5}$
16. Subtraction between two positive Rational numbers always gives a:
- Positive number
 - Negative Number
 - Zero
 - Can be either positive or negative
17. Multiply $\frac{-7}{13}$ by reciprocal of $\frac{14}{3}$
- $\frac{-98}{39}$
 - $\frac{-3}{26}$
 - $\frac{-161}{39}$
 - $\frac{3}{26}$
18. How many natural number are between -1 and 1 ?
- 0
 - 1
 - More than 4
 - Infinite
19. Sum of an integer and a rational number will be :
- Integer
 - Rational number
 - Either integer or Rational no.
 - Neither of them
20. Divide the sum of $\frac{1}{4}$ and $\frac{5}{3}$ by their difference. what will be the answer?
- $\frac{-17}{23}$
 - $\frac{-23}{17}$
 - $\frac{23}{12}$
 - $\frac{-17}{5}$
21. Which of the equation is not correct?
- $(a \times b) \times c = a \times (b \times c)$
 - $a \times (b - c) = ab - ac$
 - $(a \div b) \div c = a \div (b \div c)$
 - $a \times (b + c) = ab + ac$

22. What number does point **A** and **B** represent in number line given below:



- (a) $A = \frac{1}{4}, B = \frac{7}{12}$
 (b) $A = \frac{1}{4}, B = \frac{7}{6}$
 (c) $A = \frac{3}{6}, B = \frac{7}{12}$
 (d) $A = \frac{1}{2}, B = \frac{7}{6}$
23. Which rational number is in lowest form?
 (a) $\frac{12}{35}$
 (b) $\frac{18}{45}$
 (c) $\frac{27}{63}$
 (d) $\frac{32}{36}$
24. If $\frac{p}{q}$ is a rational number and $p > q, q > 0$, then where $\frac{p}{q}$ will be on number line?
 (a) On the right side of **1**
 (b) On the left side of **-1**
 (c) Either of (a) and (b)
 (d) Between **-1** and **1**
25. Where will $\frac{-1}{-3}$ lies in number line?
 (a) Between **-2** and **-1**
 (b) Between **-1** and **0**
 (c) Between **0** and **1**
 (d) Between **1** and **2**
26. What is multiplicative and additive inverse of $\frac{7}{-9}$ respectively?
 (a) $-\frac{9}{7}, \frac{7}{9}$
 (b) $\frac{9}{7}, -\frac{7}{9}$
 (c) $-\frac{7}{9}, \frac{7}{9}$
 (d) $\frac{7}{9}, -\frac{7}{9}$
27. How many whole numbers are there whose square is less than **50**?
 (a) **5**
 (b) **7**
 (c) **8**
 (d) **6**
28. What are the rational numbers that are equal to their reciprocals?
 (a) **0**
 (b) **1**
 (c) **-1**
 (d) Both **1** and **-1**
29. How many integers are there in between $\frac{-21}{8}$ and $\frac{24}{5}$?
 (a) **7**
 (b) **5**
 (c) **6**
 (d) **8**
30. Which of the point in number line represents $\frac{-5}{2}$?

 (a) **A**
 (b) **B**
 (c) **C**
 (d) None of them