Rational Numbers: Worksheet -8

1. Which of the following numbers is the additive inverse of 7/29 [ ]

(i) 29/7 (ii) –29/7 (iii) –7/29 (iv) 7/29

2. Which of the following numbers is the multiplicative inverse of 15/31 [ ]

(i) 31/15 (ii) –31/15 (iii) –15/31 (iv) 15/31

3. Which of the following numbers has no multiplicative inverse [ ]

(i) zero (ii) 1 (iii) –1 (iv) none of these

4. Which of the following numbers is the product of 6/13 & –26/3 [ ]

(i) 1 (ii) –4 (iii) –266/133 (iv) 266/133

5. Which of the following numbers is its own reciprocal [ ]

(i) 10 (ii) zero (iii) 1/5 (iv) 1

6. Which of the following numbers is the decimal form of ¼ [ ]

(i)-0.25 (ii) 2.5 (iii)0.25 (iv) – 2.5

7. Which of the following numbers lies in the middle of 3/4 &7/4 [ ]

(i) 5.0 (ii)3.0 (iii)2.5 (iv) 1.25

8. Which pair of following numbers are respectively the additive & multiplicative identities. [ ]

(i) 2 & 0 (ii) 1 & -1 (iii)-1 & 0 (iv) 0 & 1

9. Which of the following numbers is the simplest form of 3/4 + (- 1/4) + (- 5/4) [ ]

(i) 9/4 (ii) - 3/4 (iii)- 9/4 (iv) 7/4

10. Which of the following properties indicates the given operation [ ]

$[(-1/5) + (-3/5)] + (1/7) = (-1/5) + [(-3/5) + (1/7)]$

(i) commutative
(ii)associative
(iii)distributive
(iv) none of these