

CLASS VII 2013-14  
MATHS WORKSHEET - III

CHAPTER 9 -  
RATIONAL NUMBERS.

Q1. Solve the following (use BODMAS)

(a)  $\frac{7}{3} + (-\frac{5}{3})$

(b)  $5\frac{2}{5} + \frac{8}{3} + (-3\frac{7}{4})$

(c)  $\frac{7}{15} \div (\frac{2}{3} + \frac{5}{8})$

(d)  $(\frac{2}{5} + \frac{5}{8}) \times (\frac{7}{3} - \frac{5}{4})$

(e)  $(\frac{4}{9} \div \frac{4}{3}) \times 2\frac{4}{7}$

(f)  $\frac{6}{-5} + (-\frac{3}{2})$

Q2. Compare.

(a)  $-\frac{2}{4} > \frac{8}{-16}$

(b)  $\frac{3}{4} > -\frac{4}{7}$

(c)  $-\frac{5}{9} > -\frac{4}{9}$

(d)  $\frac{11}{-9} > -\frac{11}{9}$

(e)  $\frac{2}{5} > \frac{5}{4}$

(f)  $-\frac{2}{5} > \frac{5}{4}$

(g)  $-\frac{2}{5} > \frac{-5}{4}$

(h)  $-\frac{3}{5} > -\frac{12}{20}$

Q3. List the given numbers of rational numbers between  $-2$  and  $-1$ .

- (a) 3                      (b) 4                      (c) 5                      (d) 6

Q4. List five rational numbers between

(a)  $-3$  and  $-2$                       (b)  $-2$  and  $-1$

(c)  $-\frac{2}{3}$  and  $-\frac{1}{3}$                       (d)  $-\frac{4}{5}$  and  $-\frac{4}{7}$

Q5. Rewrite the following rational numbers in their standard form.

- (a)  $-\frac{10}{5}$                       (b)  $\frac{25}{-60}$                       (c)  $-\frac{45}{-90}$                       (d)  $-\frac{7}{21}$

Q6. Write true or false. Also explain the reason.

- (a) all integers are rational numbers  
 (b) all fractions are rational numbers  
 (c) all rational numbers are integers.  
 (d) all rational numbers are fractions.  
 (e)  $0$  is a rational number.  
 (f) There is only a limited number of rational numbers between two rational numbers.  
 (g) Some rational numbers are whole numbers.