

Worksheet-2

Subject: - Mathematics

Class: - VIII

Teacher: - Ms. Neeru

Name: \_\_\_\_\_ Class &amp; Sec: \_\_\_\_\_ Roll No. \_\_\_\_\_ Date: 30.03.2020

Topic: Rational Numbers

② Addition and Subtraction of Rational Numbers

1. Tick (✓) the correct answer.

(a) The sum of  $\frac{3}{14}$  and  $\frac{3}{21}$  is  
 (i)  $\frac{2}{17}$  (ii)  $\frac{8}{42}$  (iii)  $\frac{15}{42}$  (iv)  $\frac{19}{42}$

(b) If  $-2\frac{1}{3} + 4\frac{2}{5} = x$ , then the value of x is  
 (i)  $-6\frac{11}{15}$  (ii)  $2\frac{1}{15}$  (iii)  $5\frac{14}{15}$  (iv)  $7\frac{4}{5}$

(c) Which rational number should be subtracted from  $\frac{9}{5}$  to get  $\frac{9}{5}$ ?  
 (i)  $\frac{5}{9}$  (ii) 0 (iii)  $-\frac{9}{5}$  (iv)  $-\frac{9}{5}$

(d) If  $\frac{6}{13} + x = \frac{7}{26}$ , then x equals.  
 (i)  $-\frac{5}{26}$  (ii)  $\frac{1}{26}$  (iii)  $\frac{1}{13}$  (iv) 1

(e) Which number should be subtracted from  $-\frac{5}{4}$  to get 0?  
 (i)  $-\frac{4}{5}$  (ii)  $-\frac{5}{4}$  (iii)  $\frac{5}{4}$  (iv)  $1\frac{5}{9}$

2. Find the sum and write it in standard form

(a)  $\frac{-2}{7} + \frac{-3}{7}$  ..... (b)  $\frac{5}{8} + \frac{7}{8} + \left(-\frac{9}{8}\right) + \frac{3}{8}$  .....

(c)  $\frac{-4}{3} + \frac{-1}{3}$  ..... (d)  $\frac{1}{6} + \frac{11}{9} + \left(-\frac{5}{6}\right) + \frac{7}{6}$  .....

3. Find the sum.

(a)  $\frac{3}{5} + \frac{1}{10}$  ..... (b)  $\frac{2}{5} + \left(\frac{-8}{15}\right)$  ..... (c)  $\frac{7}{10} + \frac{3}{25} + \left(\frac{-6}{5}\right)$  ..... (d)  $\frac{3}{8} + \frac{2}{3} + \left(-\frac{10}{9}\right)$  .....

4. Simplify:

(a)  $\frac{5}{19} - \frac{2}{19}$  ..... (b)  $\frac{-2}{17} - \frac{-22}{17}$  ..... (c)  $\frac{25}{24} - \frac{5}{24}$  ..... (d)  $\frac{8}{9} - \frac{-7}{9}$  .....

5. Subtract:

(a)  $\frac{5}{2}$  from  $\frac{9}{4}$  ..... (b)  $\frac{44}{45}$  from  $\frac{7}{30}$  ..... (c)  $\frac{19}{8}$  from  $\frac{3}{20}$  ..... (d)  $\frac{8}{9}$  from  $\frac{3}{7}$  .....

6. What should be subtracted from:

(a)  $\frac{15}{7}$  to get  $\frac{12}{7}$ ? ..... (b)  $\frac{26}{33}$  to get  $\frac{-5}{11}$ ? .....

(c)  $\frac{-3}{7}$  to get  $\frac{4}{7}$ ? ..... (d)  $\frac{1}{2}$  to get  $\frac{-8}{19}$ ? .....