



## Concept\_HW\_G8\_Operations on Rational Numbers

**Add the following rational numbers:**

(i)  $\frac{5}{6}$  and  $\frac{7}{9}$

(ii)  $\frac{3}{4}$  and  $-\frac{3}{5}$

(iii)  $\frac{5}{8}$  and  $-\frac{7}{2}$

(iv)  $-\frac{8}{9}$  and  $\frac{11}{6}$

(v)  $-\frac{5}{16}$  and  $\frac{7}{24}$

(vi)  $\frac{7}{-18}$  and  $\frac{8}{27}$

(vii)  $\frac{1}{-12}$  and  $\frac{2}{-15}$

(viii)  $-1$  and  $\frac{3}{4}$

(ix)  $2$  and  $-\frac{5}{4}$

(x)  $0$  and  $-\frac{2}{5}$

**Evaluate each of the following:**

(i)  $\frac{2}{3} - \frac{3}{5}$

(ii)  $-\frac{4}{7} - \frac{2}{(-3)}$

(iii)  $\frac{4}{7} - \frac{(-5)}{(-7)}$

(iv)  $-2 - \frac{5}{9}$

(v)  $-\frac{3}{-8} - \frac{(-2)}{7}$

(vi)  $-\frac{4}{13} - \frac{(-5)}{26}$

(vii)  $-\frac{5}{14} - \frac{(-2)}{7}$

(viii)  $\frac{13}{15} - \frac{12}{25}$ .