



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