



Concept_HW_G8_Addition and Subtraction of Rational Numbers

1. Add the following rational numbers:

- (i) $-\frac{2}{5}$ and $\frac{4}{5}$
- (ii) $-\frac{6}{11}$ and $-\frac{4}{11}$
- (iii) $-\frac{11}{8}$ and $\frac{5}{8}$
- (iv) $-\frac{7}{3}$ and $\frac{1}{3}$
- (v) $\frac{5}{6}$ and $-\frac{1}{6}$
- (vi) $-\frac{17}{15}$ and $-\frac{1}{15}$
- (vii) $\frac{13}{7}$ and $\frac{2}{7}$
- (viii) $\frac{9}{17}$ and $-\frac{5}{17}$

1. Subtract the first rational number from the second in each of the following:

(i) $\frac{3}{8}, \frac{5}{8}$

(ii) $-\frac{7}{9}, \frac{4}{9}$

(iii) $-\frac{2}{11}, -\frac{9}{11}$

(iv) $\frac{11}{13}, -\frac{4}{13}$

(v) $\frac{1}{4}, -\frac{3}{8}$

(vi) $-\frac{2}{3}, \frac{5}{6}$

(vii) $-\frac{6}{7}, -\frac{13}{14}$

(viii) $\frac{3}{4}, \frac{5}{6}$