



Addition of Like Rational Numbers

- Any rational numbers such as $\frac{a}{c}, \frac{b}{c}$ with same denominator are called Like Rational numbers
- The sum of the two like rational numbers $\frac{a}{c}, \frac{b}{c}$ is $\frac{a+b}{c}$

Add the following rational numbers:

(i) $7/5$ and $11/5$

$$\text{-----} + \text{-----} = \text{-----} = \text{-----}$$

(ii) $-16/11$ and $-41/11$

$$\text{-----} + \text{-----} = \text{-----} = \text{-----}$$

(iii) $-101/8$ and $550/8$

$$\text{-----} + \text{-----} = \text{-----} = \text{-----}$$

(iv) $-\frac{71}{13}$ and $\frac{17}{13}$

$$\text{-----} + \text{-----} = \text{-----} = \text{-----}$$

(v) $\frac{519}{6}$ and $-\frac{135}{6}$

$$\text{-----} + \text{-----} = \text{-----} = \text{-----}$$

(vi) $-\frac{170}{15}$ and $-\frac{1}{15}$

$$\text{-----} + \text{-----} = \text{-----} = \text{-----}$$

(vii) $\frac{162}{7}$ and $\frac{666}{7}$

$$\text{-----} + \text{-----} = \text{-----} = \text{-----}$$

(viii) $\frac{23}{11}$ and $-\frac{515}{11}$

$$\text{-----} + \text{-----} = \text{-----} = \text{-----}$$

(ix) $\frac{92}{3}$ and $-\frac{56}{3}$

$$\text{-----} + \text{-----} = \text{-----} = \text{-----}$$

(x) $\frac{84}{8}$ and $-\frac{287}{8}$

$$\text{-----} + \text{-----} = \text{-----} = \text{-----}$$