

Grade- VIII

MATHS

1. 1 AND - 1
2. $\frac{-2}{3}$, Commutative property
3. $\frac{3}{4}, \frac{1}{2}$ Distributive property
4. $\frac{x+y}{2}$
5. 1

$$6. x + \left(\frac{1}{2} + \frac{1}{3} + \frac{1}{5}\right) = 3$$

$$x + \frac{59}{30}$$

The rational number = $\frac{59}{30}$

$$7. \left(\frac{3}{4} + \frac{2}{3}\right) - x = \frac{-1}{6}$$

$$x = \frac{1}{4}$$

$$8. \left(\frac{-13}{5} - \frac{12}{7}\right) \div \left(\frac{-31}{7} \div \frac{-1}{2}\right)$$

$$= \frac{-31}{35} \times \frac{14}{31} = \frac{-2}{5}$$

$$9. \frac{-3}{4} \text{ and } \frac{6}{7}$$

$$\frac{-21}{8} \text{ and } \frac{24}{28}$$

The rational number $\frac{-3}{4}$ and $\frac{6}{7}$ are

$$\frac{19}{28}, \frac{-10}{28}, 0, \frac{2}{28}, \frac{4}{28}, \frac{7}{28}, \frac{10}{28}, \frac{15}{28}, \frac{17}{28}, \frac{20}{28}$$