Mathematics
(www.tiwariacademy.com)
(Chapter - 7) (Fractions)
(Class - VI)

Exercise 7.5

Question 1:
Write the fractions appropriately as additions or subtractions:

(a) \[ \begin{array}{ccc} \hline & & \\ \hline \end{array} \quad = \quad \begin{array}{ccc} \hline & & \end{array} \]

(b) \[ \begin{array}{ccc} \hline & & \\ \hline \end{array} \quad = \quad \begin{array}{ccc} \hline & & \end{array} \]

(c) \[ \begin{array}{ccc} \hline & & \\ \hline \end{array} \quad = \quad \begin{array}{ccc} \hline & & \end{array} \]

Answer 1:
(a) \[ \frac{1}{5} + \frac{2}{5} = \frac{1+2}{5} = \frac{3}{5} \]
(b) \[ \frac{5}{5} - \frac{3}{5} = \frac{5-3}{5} = \frac{2}{5} \]
(c) \[ \frac{2}{6} + \frac{3}{6} = \frac{2+3}{6} = \frac{5}{6} \]

Question 2:
Solve:

(a) \[ \frac{1}{18} + \frac{1}{18} \]
(b) \[ \frac{8}{15} + \frac{3}{15} \]
(c) \[ \frac{7}{7} - \frac{5}{7} \]
(d) \[ \frac{1}{22} + \frac{21}{22} \]
(e) \[ \frac{12}{15} - \frac{7}{15} \]
(f) \[ \frac{5}{8} + \frac{3}{8} \]
(g) \[ 1 - \frac{2}{3} \left(1 + \frac{3}{3} \right) \]
(h) \[ \frac{1}{4} + \frac{0}{4} \]
(i) \[ 3 - \frac{12}{5} \]

Answer 2:
(a) \[ \frac{1}{18} + \frac{1}{18} = \frac{1+1}{18} = \frac{2}{18} = \frac{1}{9} \]
(b) \[ \frac{8}{15} + \frac{3}{15} = \frac{8+3}{15} = \frac{11}{15} \]
(c) \[ \frac{7}{7} - \frac{5}{7} = \frac{7-5}{7} = \frac{2}{7} \]
(d) \[ \frac{1}{22} + \frac{21}{22} = \frac{1+21}{22} = \frac{22}{22} = 1 \]
(e) \[ \frac{12}{15} - \frac{7}{15} = \frac{12-7}{15} = \frac{5}{15} = \frac{1}{3} \]
(f) \[ \frac{5}{8} + \frac{3}{8} = \frac{5+3}{8} = \frac{8}{8} = 1 \]
(g) \[ 1 - \frac{2}{3} \left(1 + \frac{3}{3} \right) = \frac{1}{3} \]
(h) \[ \frac{1}{4} + \frac{0}{4} = \frac{1}{4} \]
(i) \[ 3 - \frac{12}{5} = \frac{15-12}{5} = \frac{3}{5} \]
**Question 3:**
Shubham painted \( \frac{2}{3} \) of the wall space in his room. His sister Madhavi helped and painted \( \frac{1}{3} \) of the wall space. How much did they paint together?

**Answer 3:**
Fraction of wall painted by Shubham = \( \frac{2}{3} \)
Fraction of wall painted by Madhavi = \( \frac{1}{3} \)
Total painting by both of them = \( \frac{2}{3} + \frac{1}{3} = \frac{2+1}{3} = \frac{3}{3} = 1 \)
Therefore, they painted complete wall.

**Question 4:**
Fill in the missing fractions:
(a) \( \frac{7}{10} \) - \( \square \) = \( \frac{3}{10} \)
(b) \( \square \) - \( \frac{3}{21} \) = \( \frac{5}{21} \)
(c) \( \square \) - \( \frac{3}{6} \) = \( \frac{3}{6} \)
(d) \( \square \) + \( \frac{5}{27} \) = \( \frac{12}{27} \)

**Answer 4:**
(a) \( \frac{4}{10} \)
(b) \( \frac{8}{21} \)
(c) \( \frac{6}{6} \)
(d) \( \frac{7}{27} \)

**Question 5:**
Javed was given of a basket of oranges. What fraction of oranges was left in the basket?

**Answer 5:**
Total = 1
Fraction of Orange left = \( 1 - \frac{5}{7} \)
\[ = \frac{7}{7} - \frac{5}{7} = \frac{7-5}{7} = \frac{2}{7} \]
Thus, \( \frac{2}{7} \) oranges was left in the basket.