Mathematics

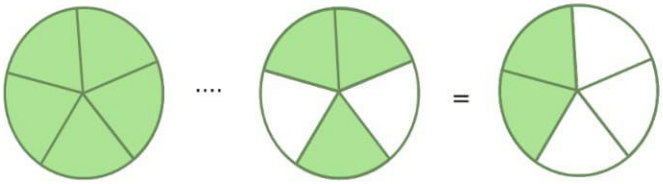
(www.tiwariacademy.com)
(Chapter – 7) (Fractions)
(Class – VI)

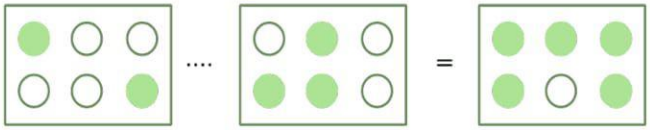
Exercise 7.5

Question 1:

Write the fractions appropriately as additions or subtractions:

(a) 

(b) 

(c) 

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) $\frac{1}{18}+\frac{1}{18}=\frac{1+1}{18}=\frac{\cancel{2}}{\cancel{18}}=\frac{1}{9}$

(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) $\frac{1}{22}+\frac{21}{22}=\frac{1+21}{22}=\frac{\cancel{22}}{\cancel{22}}=1$

(e) $\frac{12}{15}-\frac{7}{15}=\frac{12-7}{15}=\frac{\cancel{5}}{\cancel{15}}=\frac{1}{3}$

(f) $\frac{5}{8}+\frac{3}{8}=\frac{\cancel{8}}{\cancel{8}}=1$

(g) $1-\frac{2}{3}=\frac{3}{3}-\frac{2}{3}=\frac{3-2}{2}=\frac{1}{3}$

(h) $\frac{1}{4}+\frac{0}{4}=\frac{1+0}{4}=\frac{1}{4}$

(i) $3-\frac{12}{5}=\frac{15}{5}-\frac{12}{5}=\frac{15-12}{5}=\frac{3}{5}$

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 = $\frac{2}{3}+\frac{1}{3}=\frac{2+1}{3}=\frac{\cancel{3}}{\cancel{3}}=1$

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.