



STANDARD 6TH: CHAPTER 4

Operations on Fractions

Q. 1–5 Write following fractions in reduced form.

1) $\frac{6}{9} =$

2) $\frac{45}{36} =$

3) $\frac{72}{126} =$

4) $\frac{152}{95} =$

5) $\frac{222}{185} =$

Q. 6-10 Convert given fractions into like fractions.

6) $\frac{3}{4}, \frac{5}{8}$

7) $\frac{3}{5}, \frac{3}{7}$

8) $\frac{2}{9}, \frac{1}{6}$

9) $\frac{5}{6}, \frac{4}{5}$

10) $\frac{4}{5}, \frac{3}{10}$

Q.11-15 Fill in proper number in the box.

11) $\frac{1}{2}, \frac{\boxed{}}{20}$

12) $\frac{3}{4}, \frac{15}{\boxed{}}$

13) $\frac{9}{11}, \frac{18}{\boxed{}}$

14) $\frac{72}{54}, \frac{36}{\boxed{}}$

15) $\frac{2}{5}, \frac{10}{\boxed{}}$

Q.16-20 Write proper symbols in the box.

$$16) \frac{2}{9} \quad \boxed{} \quad \frac{4}{18}$$

$$17) \frac{3}{8} \quad \boxed{} \quad \frac{9}{24}$$

$$18) \frac{4}{7} \quad \boxed{} \quad \frac{15}{28}$$

$$19) \frac{5}{12} \quad \boxed{} \quad \frac{11}{24}$$

$$20) \frac{5}{9} \quad \boxed{} \quad \frac{23}{45}$$

Q.21 find largest & smallest fraction in each group.

$$\frac{35}{14}, \quad \frac{35}{17}, \quad \frac{35}{16}, \quad \frac{35}{9}$$

Q.22 find largest & smallest fraction in each group.

$$\frac{5}{8}, \quad \frac{3}{5}, \quad \frac{7}{12}$$

Q.23 find largest & smallest fraction in each group.

$$\frac{7}{13}, \quad \frac{5}{11}, \quad \frac{6}{12}, \quad \frac{11}{20}$$

Q.24 find largest & smallest fraction in each group.

$$\frac{15}{13}, \quad \frac{10}{13}, \quad \frac{12}{13}, \quad \frac{14}{13}$$

Q.25 find largest & smallest fraction in each group.

$$\frac{1}{2}, \quad \frac{2}{3}, \quad \frac{3}{4}, \quad \frac{4}{5}, \quad \frac{5}{6}$$

Q. 26 - 35 Simplify

$$26) \frac{15}{7} + \frac{6}{7}$$

$$27) \frac{18}{7} - \frac{3}{7}$$

$$28) \frac{7}{8} + \frac{3}{4}$$

$$29) \frac{7}{8} - \frac{3}{4} + \frac{5}{6}$$

$$30) \frac{14}{9} + \frac{2}{3} - \frac{5}{6}$$

$$31) \frac{5}{2} - \frac{2}{3} - \frac{7}{6}$$

$$32) \frac{5}{6} + \frac{9}{4} + \frac{4}{3}$$

$$33) 2\frac{3}{4} + 1\frac{2}{3} + 5\frac{5}{6}$$

$$34) 3\frac{7}{9} + 5\frac{2}{3} - 4\frac{5}{12}$$

$$35) 8 - 3\frac{2}{5} - \frac{27}{10}$$

Q.36 If $\frac{5}{8}$ th of a number is 75, find number

Q.37 15 times a number is $\frac{4}{3}$ rd of 360. Find number.

Q.38 27 lit petrol filled in a Car tank is $\frac{3}{4}$ th of its capacity. How much more petrol will full the tank?

Q.39 Meena read a book in 5 days. She read $\frac{1}{4}$ th pages on 1st day, $\frac{1}{5}$ th on 2nd day, $\frac{1}{6}$ th on 3rd day, $\frac{4}{15}$ th on 4th day & remaining 28 pages on 5th day.
How many pages the book has?

Q.40 Ashok received Rs. 28,800/- as salary. He spent $\frac{1}{12}$ th on house rent, $\frac{3}{8}$ th for articles, $\frac{4}{15}$ th on Children education, $\frac{1}{9}$ th to purchase clothes, $\frac{1}{36}$ th on entertainment. He deposited remaining amount in bank. How much did he save?