

EX. 3.3

Q3- Arrange the following in ascending order:

(a)  $\frac{3}{7}, \frac{3}{15}, \frac{3}{9}, \frac{3}{11}, \frac{3}{5}$       (b)  $\frac{5}{7}, \frac{6}{7}, \frac{1}{7}, \frac{2}{7}, \frac{9}{7}$

Ans:  $\frac{3}{15}, \frac{3}{11}, \frac{3}{9}, \frac{3}{7}, \frac{3}{5}$       Ans:  $\frac{1}{7}, \frac{2}{7}, \frac{5}{7}, \frac{6}{7}, \frac{9}{7}$

(6)  $\frac{2}{3}, \frac{3}{4}, \frac{7}{8}, \frac{5}{6}, \frac{1}{2}$

$\frac{2 \times 8 = 16}{3 \times 8 = 24}, \frac{3 \times 6 = 18}{4 \times 6 = 24},$

$\frac{7 \times 3 = 21}{8 \times 3 = 24}, \frac{5 \times 4 = 20}{6 \times 4 = 24},$

$\frac{1 \times 12 = 12}{2 \times 12 = 24}$

2	3, 4, 8, 6, 2
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2	3, 2, 4, 3, 1
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2	3, 1, 2, 3, 1
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3	3, 1, 1, 3, 1
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	1, 1, 1, 1, 1
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LCM =  $2 \times 2 \times 2 \times 3$   
= 24

$$\frac{12}{24}, \frac{16}{24}, \frac{18}{24}, \frac{20}{24}, \frac{21}{24}$$

$$\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{5}{6}, \frac{7}{8} \text{ Ans.}$$

Do-Q3 (d) part in homework.

Q4. Arrange the following in descending order:

(a)  $\frac{3}{4}, \frac{2}{3}, \frac{1}{6}, \frac{7}{8}, \frac{1}{2}$

2	4, 3, 6, 8, 2
2	2, 3, 3, 4, 1
2	1, 3, 3, 2, 1
3	1, 3, 3, 1, 1
	1, 1, 1, 1, 1

  

$$\frac{3 \times 6 = 18}{4 \times 6 = 24}, \frac{2 \times 8 = 16}{3 \times 8 = 24}$$

$$\frac{1 \times 4 = 4}{6 \times 4 = 24}, \frac{7 \times 3 = 21}{8 \times 3 = 24}$$

$$\frac{1 \times 12 = 12}{2 \times 12 = 24}$$

LCM =  $2 \times 2 \times 2 \times 3 = 24$

$$\frac{21}{24}, \frac{18}{24}, \frac{16}{24}, \frac{12}{24}, \frac{4}{24}$$

$$\frac{7}{8}, \frac{3}{4}, \frac{2}{3}, \frac{1}{2}, \frac{1}{6} \text{ Ans.}$$

(b)  $\frac{1}{8}, \frac{2}{6}, \frac{3}{4}, \frac{5}{12}, \frac{4}{3}$

2	8, 6, 4, 12, 3
2	4, 3, 2, 6, 3
2	2, 3, 1, 3, 3
3	1, 3, 1, 3, 3
	1, 1, 1, 1, 1

  

$$\frac{1 \times 3 = 3}{8 \times 3 = 24}, \frac{2 \times 4 = 8}{6 \times 4 = 24}, \frac{3 \times 6 = 18}{4 \times 6 = 24}$$

$$\frac{5 \times 2 = 10}{12 \times 2 = 24}, \frac{4 \times 8 = 32}{3 \times 8 = 24}$$

LCM =  $2 \times 2 \times 2 \times 3 = 24$

$$\frac{32}{24}, \frac{18}{24}, \frac{10}{24}, \frac{8}{24}, \frac{3}{24}$$

$$\frac{4}{3}, \frac{3}{4}, \frac{5}{12}, \frac{2}{6}, \frac{1}{8} \text{ Ans.}$$

Do. Q4. Q and d parts in homework.