



**MONTH : SEPTEMBER**

**SESSION : 1**

**CLASS : V**

**SUBJECT : MATHEMATICS**

**CHAPTER NUMBER: 9**

**CHAPTER NAME : FRACTION**

**SUB-TOPIC : COMPARISON FRACTIONS**

**EXERCISE 9 A Q.NO. 10 AND 11**

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**CHANGING YOUR TOMORROW**

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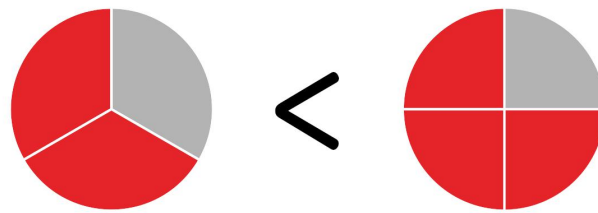
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## **LEARNING OBJECTIVE :**

**Enable the students**

- **To compare and contrast different types of fractions.**



Which fraction is larger?



### Example-4

Which is smaller  $\frac{7}{9}$  or  $\frac{5}{8}$

L.C.M. OF 9 and 8 =  $9 \times 8 = 72$

$$\frac{5}{8} = \frac{5 \times 9}{8 \times 9} = \frac{45}{72}$$

$$\frac{7}{9} = \frac{7 \times 8}{9 \times 8} = \frac{56}{72}$$

$$\frac{5}{8} < \frac{7}{9}$$

**ANS.**

## COMPARISON OF FRACTIONS



### Example- 5

Arrange in ascending order  $\frac{5}{6}$   $\frac{7}{8}$   $\frac{5}{9}$

$$\text{L.C.M. OF 6, 8 and 9} = 2 \times 3 \times 2 \times 2 \times 3 = 72$$

$$8 = 2 \times 2 \times 2$$

$$6 = 2 \times 3$$

$$9 = 3 \times 3$$

$$\frac{5}{6} = \frac{5 \times 12}{6 \times 12} = \frac{60}{72}$$

$$\frac{7}{8} = \frac{7 \times 9}{8 \times 9} = \frac{63}{72}$$

$$\frac{5}{9} = \frac{5 \times 8}{9 \times 8} = \frac{40}{72}$$

$$\frac{5}{9} < \frac{5}{6} < \frac{7}{8}$$

ANS.

## EXERCISE – 9 A



10. Fill in the blanks using  $>$  or  $<$

a.  $\frac{3}{4}$    $\frac{6}{7}$

d.  $\frac{11}{12}$    $\frac{8}{9}$

b.  $\frac{8}{9}$    $\frac{5}{6}$

e.  $6\frac{6}{7}$    $\frac{49}{8}$

c.  $\frac{3}{10}$    $\frac{5}{8}$



## EXERCISE – 9 A



11. Arrange the following in ascending order [use <]

a.  $\frac{11}{13}$   $\frac{11}{17}$   $\frac{11}{15}$

Ans.  $\frac{11}{17} < \frac{11}{15} < \frac{11}{13}$

b.  $\frac{8}{9}$   $\frac{8}{15}$   $\frac{8}{11}$

Ans.  $\frac{8}{15} < \frac{8}{11} < \frac{8}{9}$



## EXERCISE – 9 A



11. Arrange the following in ascending order [use <]

c.  $\frac{8}{17}$     $\frac{16}{17}$     $\frac{15}{17}$

Ans.  $\frac{8}{17}$  <  $\frac{15}{17}$  <  $\frac{16}{17}$

d.  $\frac{3}{4}$     $\frac{5}{6}$     $\frac{7}{18}$

Ans.  $\frac{7}{18}$  <  $\frac{3}{4}$  <  $\frac{5}{6}$

L.C.M. OF 4, 6 and 18 = 36

$$\frac{3}{4} = \frac{27}{36}$$

$$\frac{5}{6} = \frac{30}{36}$$

$$\frac{7}{18} = \frac{14}{36}$$



## EXERCISE – 9 A

e.  $\frac{8}{9}$   $\frac{7}{9}$   $\frac{2}{3}$

Ans.  $\frac{2}{3} < \frac{7}{9} < \frac{8}{9}$

f.  $\frac{7}{12}$   $\frac{5}{6}$   $\frac{2}{3}$

Ans.  $\frac{7}{12} < \frac{2}{3} < \frac{5}{6}$



L.C.M. OF 9, and 3 = 9

$$\frac{8}{9} = \frac{8}{9}$$

$$\frac{7}{9} = \frac{7}{9}$$

$$\frac{2}{3} = \frac{6}{9}$$

L.C.M. OF 3, 6 and 12 = 12

$$\frac{7}{12} = \frac{7}{12}$$

$$\frac{5}{6} = \frac{10}{12}$$

$$\frac{2}{3} = \frac{8}{12}$$





**Home Assignment : Complete Exercise 9 A  
Q.no. 10 to12 in the note book.**



**THANKING YOU**  
**ODM EDUCATIONAL GROUP**