



MONTH : AUGUST

SESSION : 15

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 9

CHAPTER NAME : FRACTION

SUB-TOPIC : COMPARISON FRACTIONS

EXERCISE 9 A Q.NO.9

CHANGING YOUR TOMORROW

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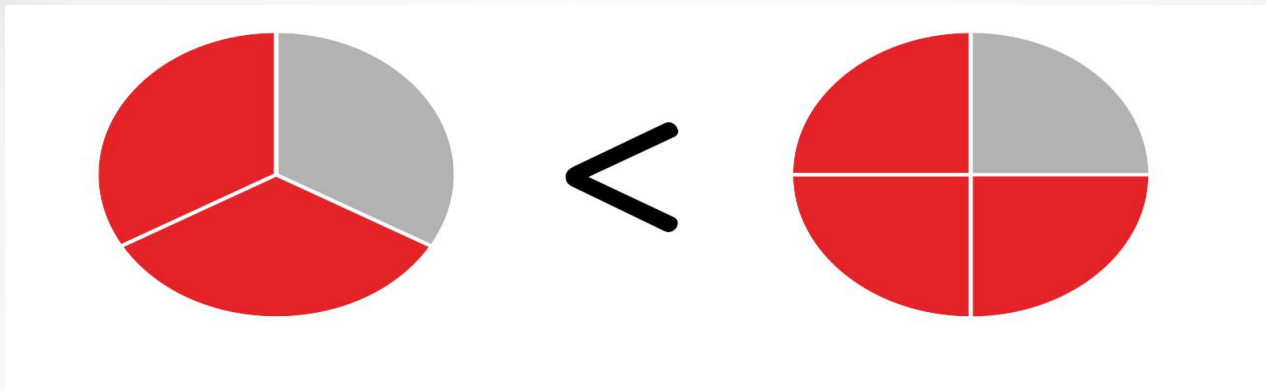
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LEARNING OBJECTIVE :

Enable the students

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





Which fraction is larger?

1. LIKE DENOMINATORS

When the **denominators are same**, fraction with greater numerator is greater than the fraction with smaller numerator.

$$\frac{2}{7} < \frac{4}{7}$$

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



COMPARISON OF FRACTIONS



2. LIKE NUMERATORS

When the **Numerators are same**, fraction with smaller denominator is greater than the other.

$$\frac{7}{11} < \frac{7}{9}$$

$$\frac{9}{17} < \frac{9}{11}$$



3. UNLIKE NUMERATORS AND DENOMINATORS



1ST **change** the fractions into **like fraction**, by finding **L.C.M.** of the denominators then compare.

Example-3

Which is greater $\frac{3}{8}$ or $\frac{5}{6}$

L.C.M. OF 8 and 6 = $2 \times 2 \times 2 \times 3 = 24$

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

$$6 = 2 \times 3$$

$$\frac{3}{8} = \frac{3 \times 3}{8 \times 3} = \frac{9}{24}$$

$$\frac{5}{6} = \frac{5 \times 4}{6 \times 4} = \frac{20}{24}$$

$$\frac{3}{8} < \frac{5}{6}$$

ANS.

EXERCISE – 9 A



9. Fill in the blanks using > or <

a. $\frac{5}{14}$ $\frac{5}{8}$

b. $\frac{11}{16}$ $\frac{11}{12}$

c. $\frac{15}{19}$ $\frac{15}{23}$

d. $\frac{33}{40}$ $\frac{27}{40}$

e. $\frac{45}{70}$ $\frac{45}{85}$

f. $\frac{37}{85}$ $\frac{37}{90}$

g. $\frac{67}{79}$ $\frac{72}{79}$

h. $\frac{32}{39}$ $\frac{27}{39}$



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



THANKING YOU
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