

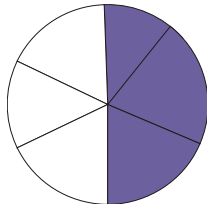
## Comparing Like Fractions-Guided Lesson Explanation

### Explanation to #1

As we can see, there are 6 blocks in figure one and 3 blocks are colored. In figure 2, there are 4 blocks in which 2 are colored.

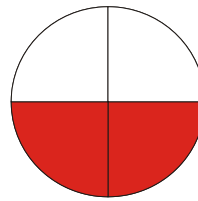
Step 2) Now, we converted both the fractions into lowest term.

a)



$$\frac{\cancel{3}}{\cancel{6}} = \frac{1}{2}$$

B)



$$\frac{\cancel{2}}{\cancel{4}} = \frac{1}{2}$$

So, the fractions are equal.

### Explanation to #2

Observe all options carefully. We can see that the denominators of all fractions are same so the order can be arranged by observing the numerators.

In option 1  $\frac{5}{9} < \frac{7}{9} < \frac{6}{9}$  by observing all fraction correct order

should be  $\frac{5}{9} < \frac{6}{9} < \frac{7}{9}$ .

a)  $\frac{5}{9} < \frac{7}{9} < \frac{6}{9}$

b)  $\frac{5}{9} < \frac{6}{9} < \frac{7}{9}$

c)  $\frac{6}{9} < \frac{5}{9} < \frac{7}{9}$



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$$d) \frac{7}{9} < \frac{7}{9} < \frac{7}{9}$$

So answer is (b)  $\frac{5}{9} < \frac{6}{9} < \frac{7}{9}$ .

### Explanation to #3

	R.H.S		L.H.S
Step 1)	$\frac{9}{12}$	?	$\frac{2}{12} + \frac{1}{12}$

Take L.C.M of L.H.S

$$\frac{2}{12} + \frac{1}{12} = \frac{2+1}{12} = \frac{3}{12}$$

$$\frac{9}{12} \quad \frac{3}{12}$$

We can see that the denominators of both fractions are the same. The value will be decided by the numerators since 9/12 is greater than 3/12.

So the answer is 9/12.

