Study the following.

Sometimes you will need to know which of two or more fractions is greater. There are two ways to do this.

Method 1 – Change the fractions to the same denominator and see which numerator is larger. This will be the larger fraction.

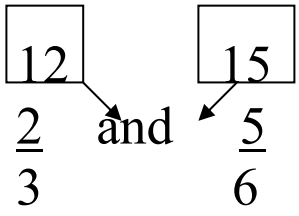
Example: $\frac{2}{3}$ and $\frac{5}{6}$

Change 2/3 to sixths. $\frac{2}{3} \times \boxed{\frac{2}{2}} = \frac{4}{6}$

Compare $\frac{4}{6}$ and $\frac{5}{6}$ 5 is larger so $\frac{5}{6}$ is greater.

Method 2- Draw boxes with arrows above each fraction as shown in the example. Multiply the number under the box by the number the arrow is pointing to and write it in the box. The box with the highest number in it will be over the largest fraction.

Example: $\frac{2}{3}$ and $\frac{5}{6}$



2 times 6 gives 12. 5 times 3 gives 15.

15 is larger than 12 so 5/6 is the greater fraction.

Use both methods to see which fraction is larger.

	Method 1	Method 2
5/8, ½		
2/7, 3/14		
4/9, 1/3		
2/5, 3/15		

Put the correct symbol in the circle between the fractions, showing either less than, greater than, or equal to. (< > or =)

1/8 ○ 1/6

2/9 ○ ¾

7/10 ○ 4/5

3/8 ○ 4/8

1/3 ○ 2/6

3/12 ○ 2/6