

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Like and Unlike Fractions

Q1. Which is the larger fraction?

$$\frac{7}{9} \text{ Or } \frac{3}{9}$$

Sol.

Q2. Compare  $\frac{3}{5}$  and  $\frac{2}{3}$ .

Sol.

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## Answers

### Like and Unlike Fractions

Q1. Which is the larger fraction?

$$\frac{7}{9} \text{ Or } \frac{3}{9}$$

Sol. Given fractions have same denominators, so we will compare the numerators. First fraction has larger numerator, so it is greater.

$$\frac{7}{9} > \frac{3}{9}$$

Q2. Compare  $\frac{3}{5}$  and  $\frac{2}{3}$ .

Sol. Given fractions are unlike fractions.  
LCM of the denominators 5 and 3

3	5, 3
5	5, 1
	1, 1

$$\text{LCM} = 5 \times 3 = 15$$

Now, we convert the given fractions to equivalent fractions with denominator 15.

We have,

$$\frac{3}{5} = \frac{3 \times 3}{5 \times 3} = \frac{9}{15}$$

$$\frac{2}{3} = \frac{2 \times 5}{3 \times 5} = \frac{10}{15}$$

Compare the numerators,

$$\text{Since, } \frac{9}{15} < \frac{10}{15}$$

$$\text{Therefore, } \frac{3}{5} < \frac{2}{3}$$