# **LIONHEART**EDUCATIONAL

## **Compare Fractions**



$$\frac{1}{4} < \frac{3}{4}$$

When **denominators** are the same, the **greater the numerator**, the larger the fraction



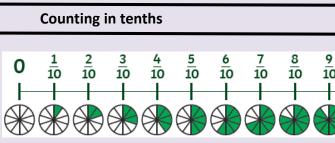


$$\frac{1}{4} > \frac{1}{5}$$

When numerators are the same, the greater the denominator, the **smaller** the fraction

### **Equivalent Fractions**

$$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{6}{12}$$



$$\frac{1}{4}$$
 of 12 = 3

**Find Fractions of Amounts** 



$$\frac{1}{8}$$
 of 24 = 3  $\frac{2}{8}$  of 24 = 6

0	<u>1</u> 10	<u>2</u> 10	<u>3</u> 10	<u>4</u> 10	<u>5</u> 10	<u>6</u> 10	<u>7</u> 10	<u>8</u> 10	<u>9</u> 10	1
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$$\frac{1}{4} = \frac{2}{8} = \frac{3}{12} = \frac{4}{16} = \frac{5}{20}$$

### Represents part of a whole fraction whole All of something: a whole shape, a whole pizza The top number in a numerator fraction. Shows how many parts we have denominator The bottom number in a fraction. Shows how many equal parts in the whole A fraction with a numerator unit of 1 fraction A fraction with a numerator non-unit that is not equal to 1 fraction Fractions have the same equivalent value, even though they fraction may look different

**Vocabulary** 

### **Adding and Subtracting Fractions**

$$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$$

$$\frac{5}{6} - \frac{2}{6} = \frac{3}{6}$$