Name : _____ Date : _____

PAPILUMO | 4th Grade (ages 9–10)

# Unit Fraction Circles (1/2 to 1/12)

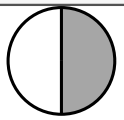
Shade 1 slice on each circle, write the total number of equal parts, write each unit fraction, and compare the four pairs.



**Benny the geometry beaver slices wooden logs into exact equal parts. Help him build every unit fraction from 1/2 to 1/12!**

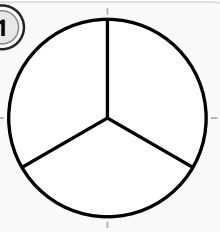
**Example: 1/2** →

2 equal parts for 1 whole: 1 shaded slice = 1/2

 = $\frac{1}{2}$

## 1. Shade 1 slice on each circle, count all equal parts, and write the unit fraction:

1

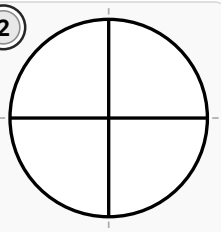


**Shade 1 slice**

_____ equal parts

Fraction: → $\frac{1}{_____}$

2

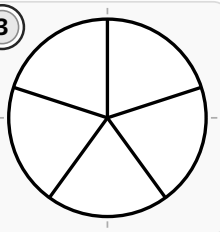


**Shade 1 slice**

_____ equal parts

Fraction: → $\frac{1}{_____}$

3

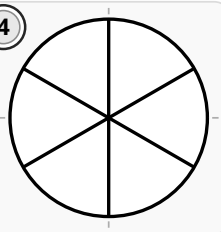


**Shade 1 slice**

_____ equal parts

Fraction: → $\frac{1}{_____}$

4

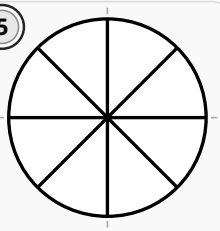


**Shade 1 slice**

_____ equal parts

Fraction: → $\frac{1}{_____}$

5

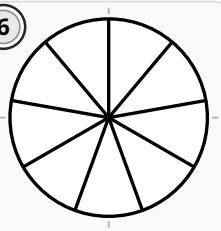


**Shade 1 slice**

_____ equal parts

Fraction: → $\frac{1}{_____}$

6

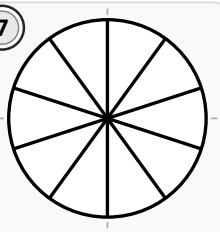


**Shade 1 slice**

_____ equal parts

Fraction: → $\frac{1}{_____}$

7

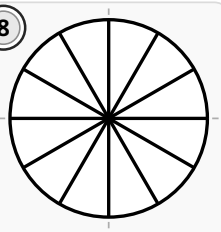


**Shade 1 slice**

_____ equal parts

Fraction: → $\frac{1}{_____}$

8



**Shade 1 slice**

_____ equal parts

Fraction: → $\frac{1}{_____}$

## 2. Look at the size of one slice in your circles and compare each pair with < or >:

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

**Key idea: the more equal parts in 1 whole, the smaller each single slice becomes!**

Tip: a unit fraction always has 1 as its numerator; the denominator tells the total equal parts in one whole circle.