

Chapter 17: Understand Fractions as Numbers

Vocabulary

- **Denominator:** The part of a fraction below the line that tells how many equal parts are in the whole or in the group.
- **Fraction:** A number that names part of a whole or part of a group.
- **Fraction greater than 1:** A number which has a numerator that is greater than its denominator.
- **Numerator:** The part of a fraction above the line that tells how many equal parts are being counted.
- **Unit fraction:** A fraction that names 1 equal part of a whole. It has 1 as its top number, or numerator.

Dear Family,

During the next few weeks, our math class will be learning about fractions.

We will learn to identify, read, and write fractions as part of a whole and name fractions of a set.

- Homework due date: **Sunday, March 15th**
- Quiz on fractions and their names will be on **Thursday, March 12th**. Please review the material from the packet.
- Feel free to contact me with any questions at diana.charaf@archimedean.org

Complete homework daily based on the schedule provided below:

Monday 03/09

IXL Lesson: **2T6, PYC**

Tuesday 03/10

IXL Lesson: **DAA, NNG**

Wednesday 03/11

IXL Lesson: **GBK, XRE**

Thursday 03/12

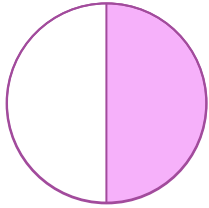
IXL Lesson: **6WK**

Friday 03/13

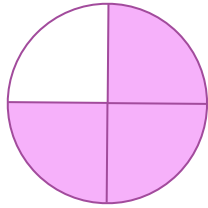
IXL Lesson: **8XD**

Understanding fractions

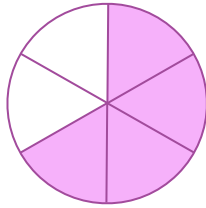
What is a fraction? A fraction represents part of a whole. Here are some examples of fractions.



$\frac{1}{2}$
one half



$\frac{3}{4}$
three fourths



$\frac{4}{6}$
four sixths

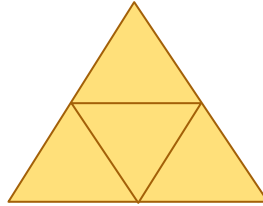
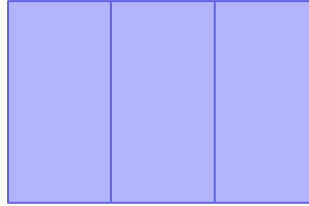
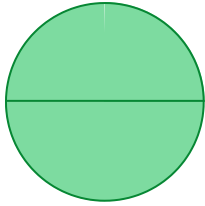
In a fraction, the top number is called the **numerator**. The bottom number is called the **denominator**.

$\frac{3}{4}$ ← numerator
← denominator

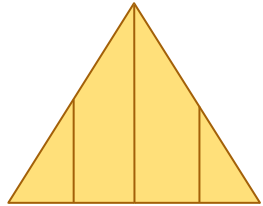
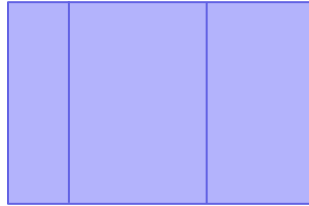
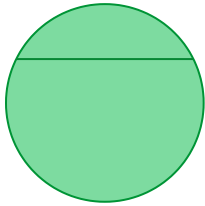
Equal parts

Fractions represent parts that are **equal**, or the same size.

These shapes show equal parts.



These shapes do not show equal parts.

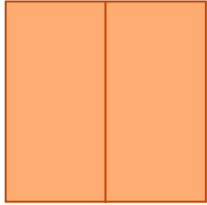


Names for equal parts

When you split a whole into equal parts, those parts have names. Here are some of those names.

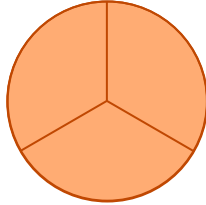
Halves

2 equal parts



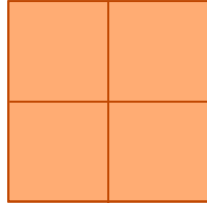
Thirds

3 equal parts



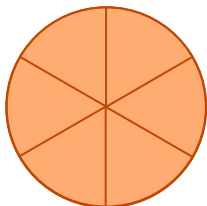
Fourths

4 equal parts



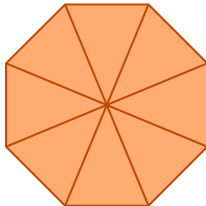
Sixths

6 equal parts



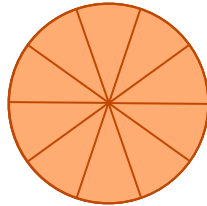
Eighths

8 equal parts



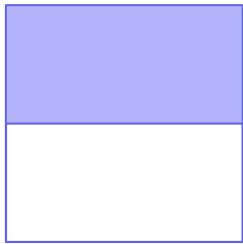
Tenths

10 equal parts

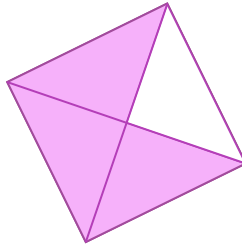


Fraction names

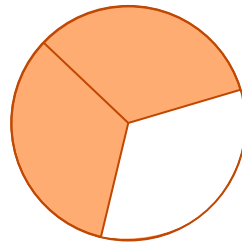
You can use the names for equal parts to name specific fractions. Look at the examples.



one half



three fourths



two thirds

Here are some common fractions and their names.

$$\frac{1}{2} = \text{one half}$$

$$\frac{2}{3} = \text{two thirds}$$

$$\frac{1}{3} = \text{one third}$$

$$\frac{3}{4} = \text{three fourths}$$

$$\frac{1}{4} = \text{one fourth}$$

$$\frac{5}{6} = \text{five sixths}$$

$$\frac{1}{6} = \text{one sixth}$$

$$\frac{7}{8} = \text{seven eighths}$$

$$\frac{1}{8} = \text{one eighth}$$