



Chapter 17: Understand Fractions as Numbers



Dear Families,

Over the next few weeks, our math class will be learning about fractions!

Students will practice identifying, reading, and writing fractions as parts of a whole and as parts of a set.

You can expect to see homework that provides extra practice with these concepts. Encouraging your child to discuss what they're learning and apply fractions in real-life situations can help reinforce their understanding.

Vocabulary

Fraction: A number that names part of a whole or part of a group.

Numerator: The part of a fraction above the line that tells how many equal parts are being counted.

Denominator: The part of a fraction below the line that tells how many equal parts are in the whole or in the group.

Unit fraction: A fraction that names 1 equal part of a whole. It has 1 as its top number, or numerator.

Fraction greater than 1: A number which has a numerator that is greater than its denominator.

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- Our class will also begin an exciting new STEM project at the end of this week.
 - Homework due date: **Sunday, March 23rd**
 - Chapter 15 (Understand Perimeter) test is on **Tuesday, March 18th**.
 - Feel free to contact me with any questions at diana.charaf@archimedean.org
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Complete homework daily based on the schedule provided below:

Monday 03/17:

MM.10 and NN.5

(If completed in class, there is no need to redo it)

Tuesday 03/18:

DD.4 and DD.9

Wednesday 03/19:

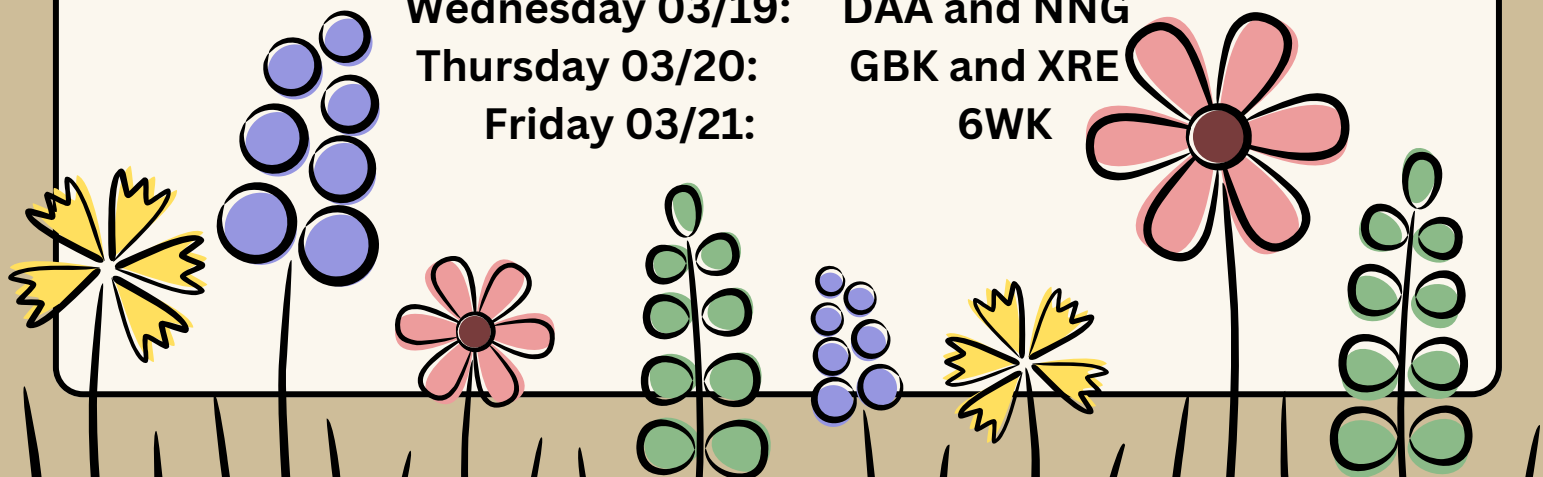
DAA and NNG

Thursday 03/20:

GBK and XRE

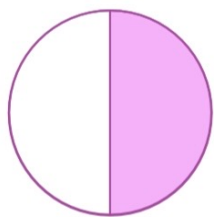
Friday 03/21:

6WK

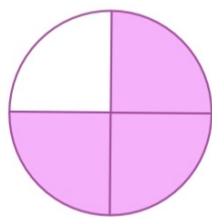


Understanding fractions

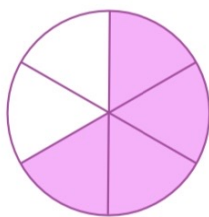
What is a fraction? A fraction represents part of a whole. Here are some examples of fractions.



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



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



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

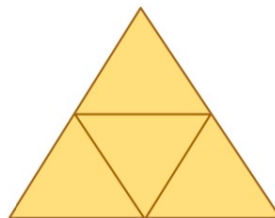
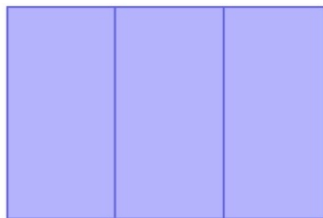
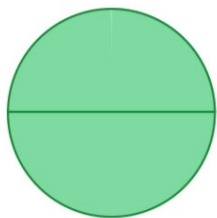
In a fraction, the top number is called the **numerator**. The bottom number is called the **denominator**.

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

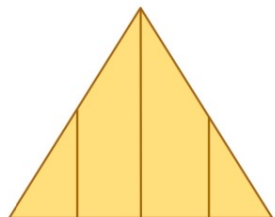
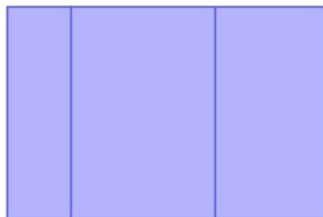
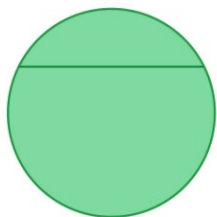
Equal parts

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

These shapes show equal parts.



These shapes do not show equal parts.

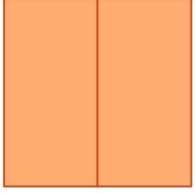


Names for equal parts

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

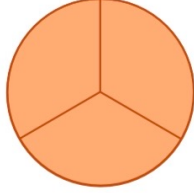
Halves

2 equal parts



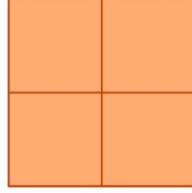
Thirds

3 equal parts



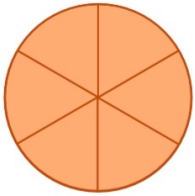
Fourths

4 equal parts



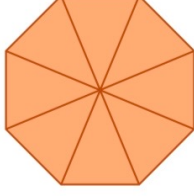
Sixths

6 equal parts



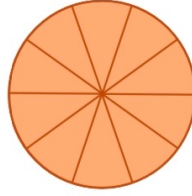
Eighths

8 equal parts



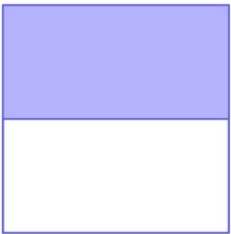
Tenths

10 equal parts

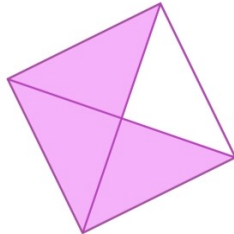


Fraction names

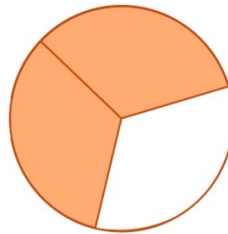
You can use the names for equal parts to name specific fractions. Look at the examples.



one half



three fourths



two thirds

Here are some common fractions and their names.

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

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

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

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

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

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

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

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

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