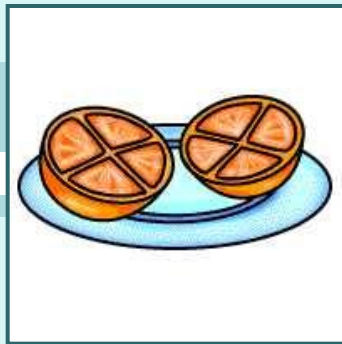


What Are Fractions?

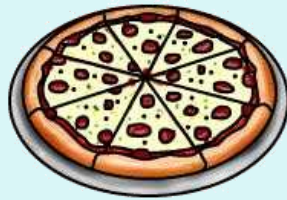


Integer

- An integer is a _____ or _____ number
- Examples:
- Non-Examples:

What is a Fraction?

- A fraction is _____
 - like a piece of a whole pizza or a whole pie



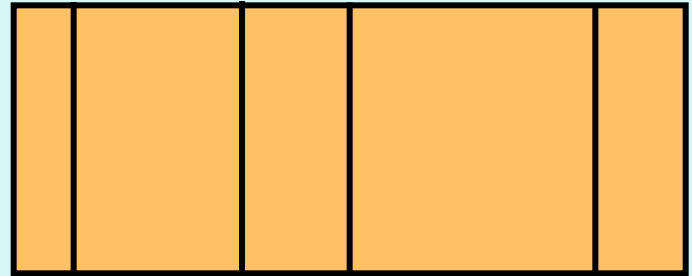
- A fraction is also _____
 - like in a dozen cupcakes



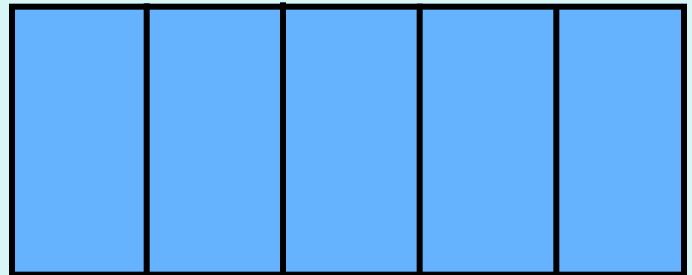
Equal Parts

- To have a fraction, you must have
-

not equal parts



equal parts



What does a fraction look like?

$$\frac{1}{4}$$

← numerator

← denominator

Numerator and Denominator

Numerator – The number on top that tells how many equal parts are described in the fraction.

Denominator – The quantity below the line in a fraction. It tells the number of equal parts into which the whole is divided.

How Do We Read Fractions?

$$\frac{1}{2}$$

•

$$\frac{1}{6}$$

•

$$\frac{1}{3}$$

•

$$\frac{1}{8}$$

•

$$\frac{1}{4}$$

•

$$\frac{1}{10}$$

Parts of a Set

- Example - We made 6 cookies. 1 is peanut butter and 5 are chocolate chip. How would you write the number of peanut butter cookies as a fraction.

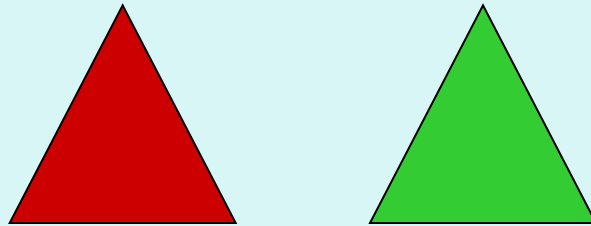


the number of peanut butter cookies \longrightarrow _____

the total number of cookies \longrightarrow _____

Parts of a Set

- What fraction of the triangles are red?

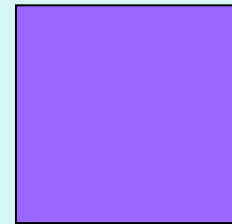
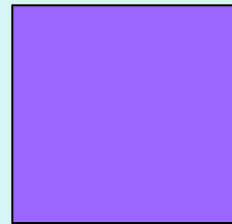
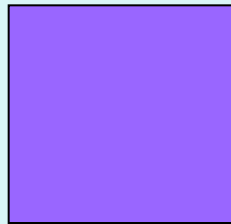
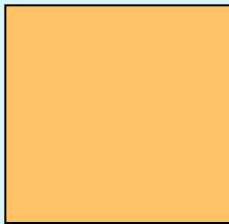


red triangles 

total number triangles 

Parts of a Set

- What fraction of the boxes are orange?



orange boxes 

total number boxes 

Parts of a Set

- What fraction of the stars are yellow?

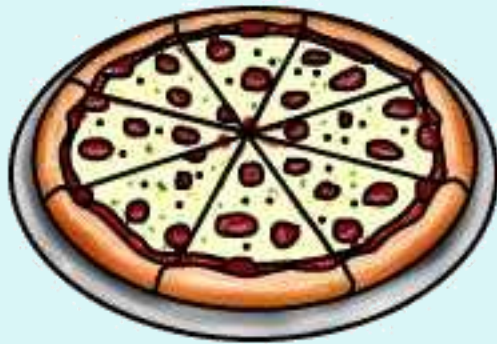


yellow stars 

total number stars 

Parts of a Whole

- Example – I ordered one whole pizza. It was cut into 8 slices. I ate 2 slices. What fraction of the whole pizza did I eat?

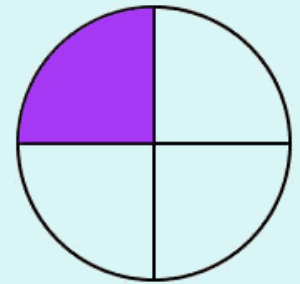
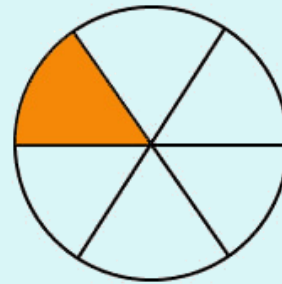
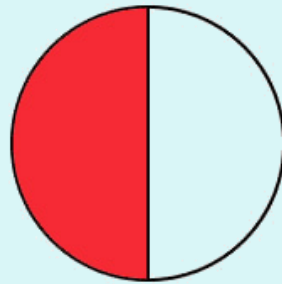
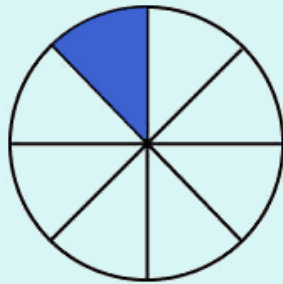
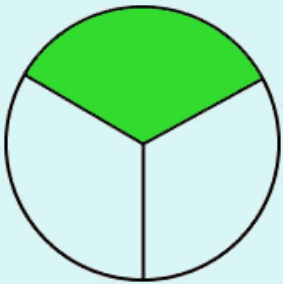


the number of slices I ate \longrightarrow

the total number of pizza slices \longrightarrow

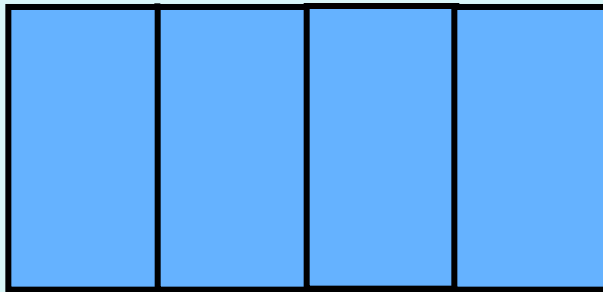
Parts of a Whole

- What is the fraction of the colored part of each picture below?



Parts of a Whole

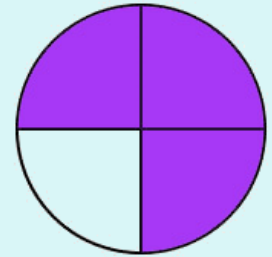
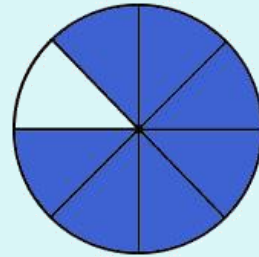
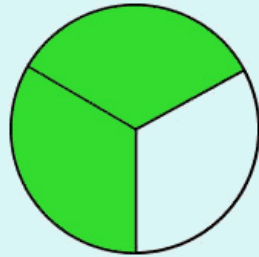
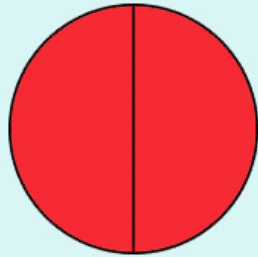
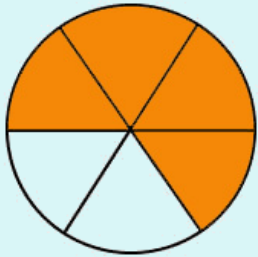
- What is the fraction of the blue part of the picture below?



—

Parts of a Whole

- What is the fraction of the colored part of each picture below?



Proper Fraction

- A Proper Fraction has a numerator () less than its denominator ()
- Example:

Improper Fraction

Fraction in which the numerator is _____ than the denominator. You must _____ to make it into a mixed number.

EX:

Mixed Number

Number that contains a _____
number and a _____

Ex:

Greatest Common Factor

- Also known as GCF
- The _____ number that divides evenly into two or more numbers.
- Used when _____ fractions

Least Common Multiple

- The least common multiple of the _____ of two or more fractions.

- Ex: $4/8$ and $5/6$
- Multiples of 8:
- Multiples of 6:

- PowerPoint a combination of:
 - <http://www.teacherspayteachers.com/Product/Intro-to-Fractions-PowerPoint-Lesson-506079>

And

- Mrs. Draper