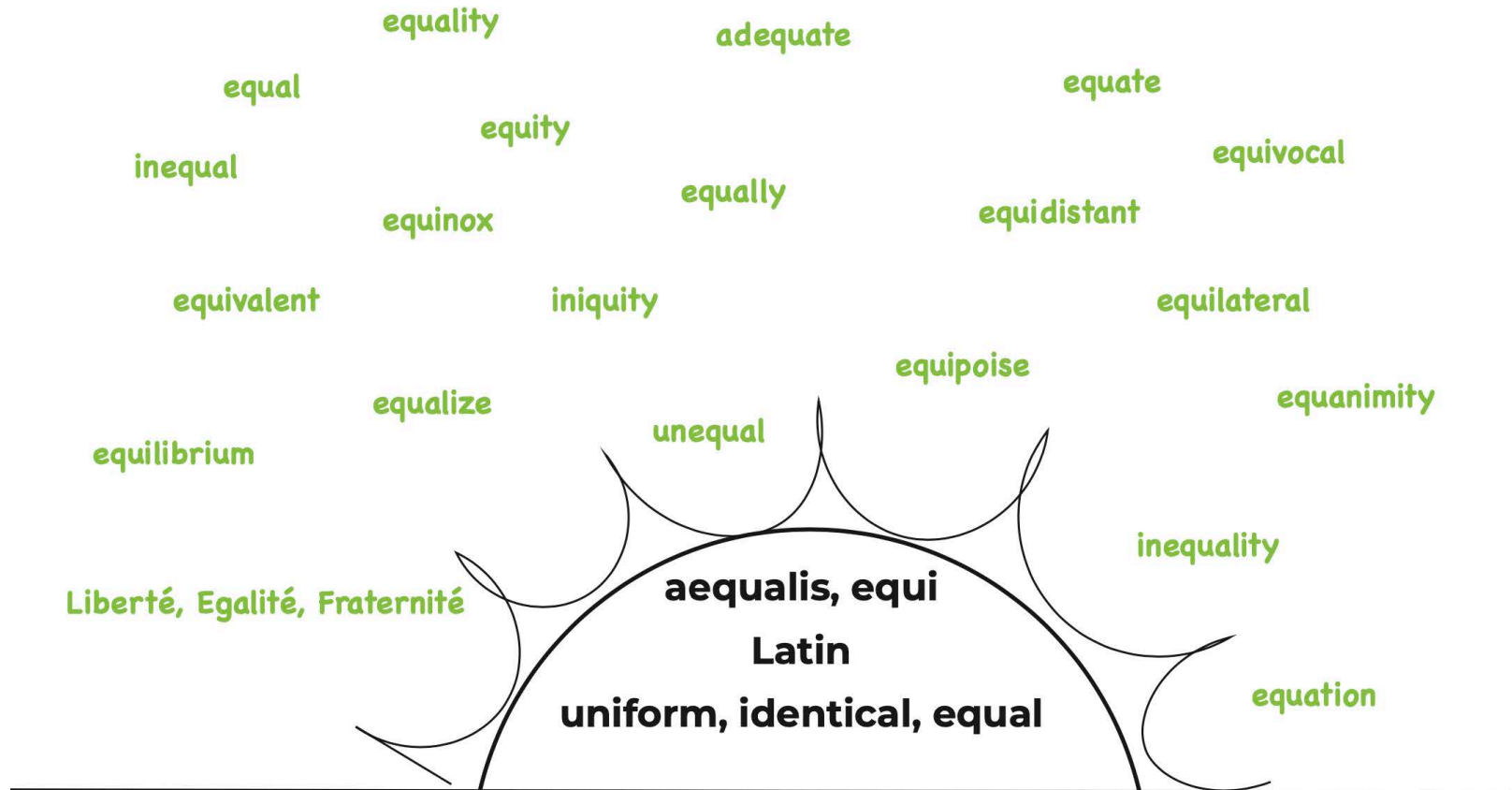


# Academic Vocabulary Activities: Fractions

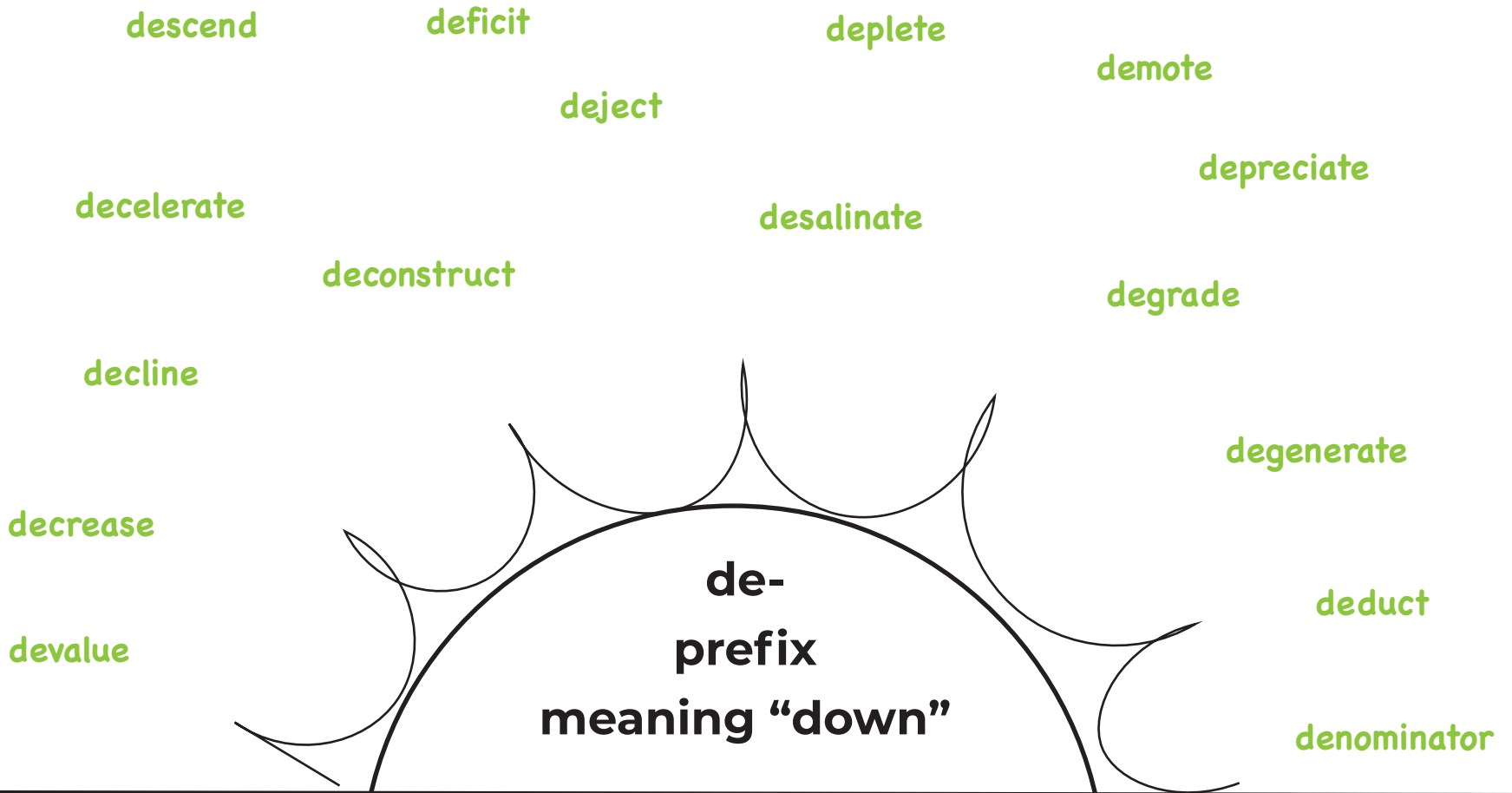


**Vocabulary Sunrise: Latin Root equi**

**Example**



Isabelle Hoag M. Ed.  
Director of Education  
UnCommon-core.com



## Vocabulary Sunrise: Prefix DE-

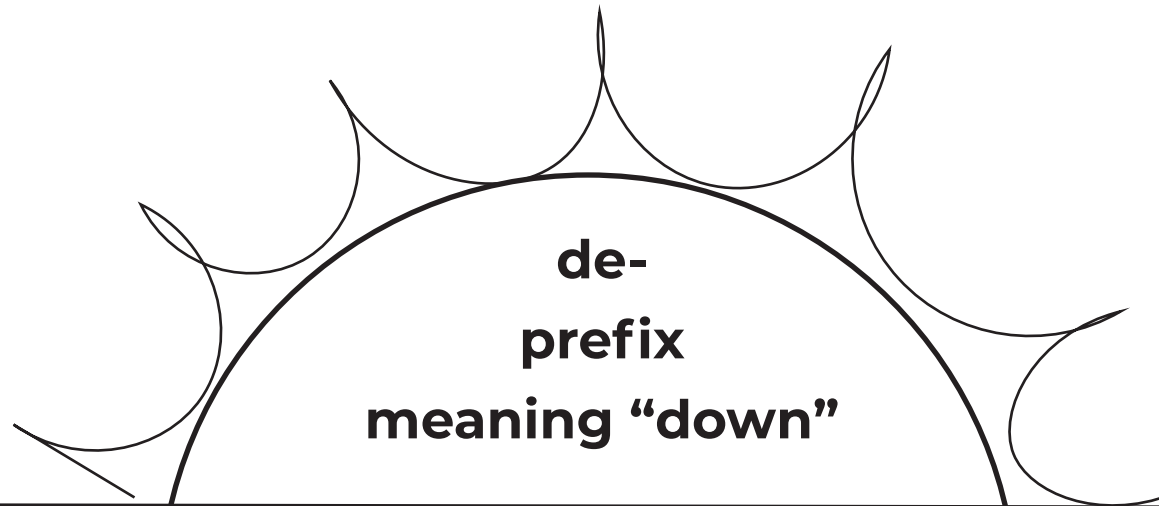
## Example

A prefix is a letter, word, or word part, attached to the front of words to change their meaning.

For example, pre- is a prefix meaning before, ahead of time, in advance. Here are some examples: preface, premix, preheat, preschool, prevent, prepaid, and predict.

As a prefix, de- has several meanings. At the beginning of a word, de- can mean 'down.'

Decorate the sunrise with words that have the prefix de- meaning 'down.'



## Vocabulary Sunrise: Prefix DE-

name:

A prefix is a letter, word, or word part, attached to the front of words to change their meaning.

For example, pre- is a prefix meaning before, ahead of time, in advance. Here are some examples: preface, preface, preheat, preschool, prevent, prepaid, and predict.

As a prefix, de- has several meanings. At the beginning of a word, de- can mean 'down.'

Decorate the sunrise with words that have the prefix de- meaning 'down.'

Make half page copies of the Example page. Give students their own copy for reference. Have them record what each word means and how 'down' comes into that meaning.

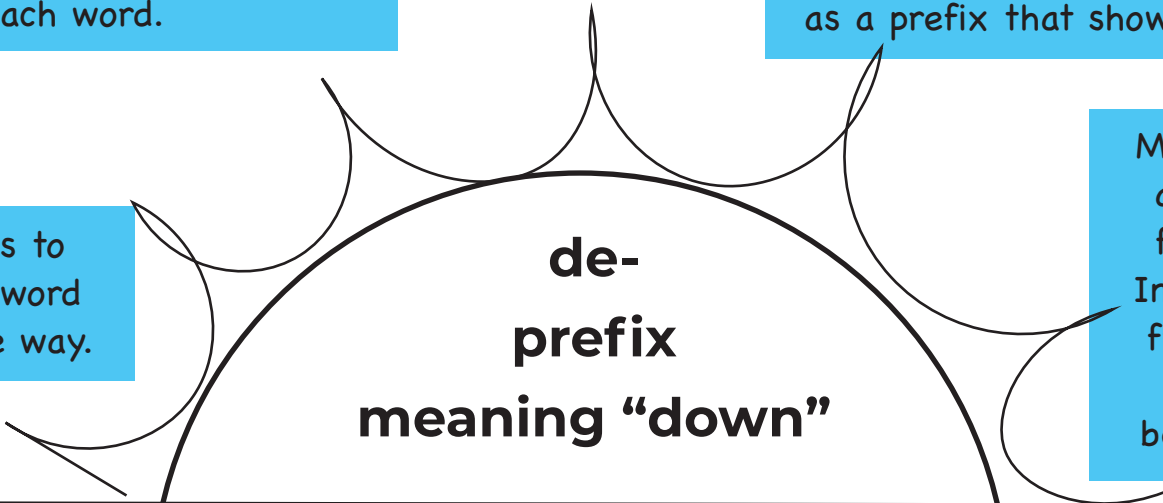
Search online for words that have the prefix de- meaning down.

Some of the words can be used as nouns or verbs. How does the idea of 'down' change based on how the words are used?

Make a large copy of the handout to use as a class project. Invite students to post de-words around the sunrise with sticky notes. As a class determine how the de- prefix is used in each word.

Give your students sticky notes to use as they read. Have them record words with de- as a prefix that show up in their reading.

Encourage students to describe how each word means down in some way.



Make connections with academic vocabulary from other subjects. In math for example, a fraction's denominator is found down below the division bar.

## Vocabulary Sunrise: Prefix DE-

## Teacher Tips

A prefix is a letter, word, or word part, attached to the front of words to change their meaning. For example, pre- is a prefix meaning before, ahead of time, in advance. Here are some examples: preface, premix, preheat, preschool, prevent, prepaid, and predict. As a prefix, de- has several meanings. At the beginning of a word, de- can mean 'down.' Decorate the sunrise with words that have the prefix de- meaning 'down.'

Have a class discussion on the value of learning classical roots.

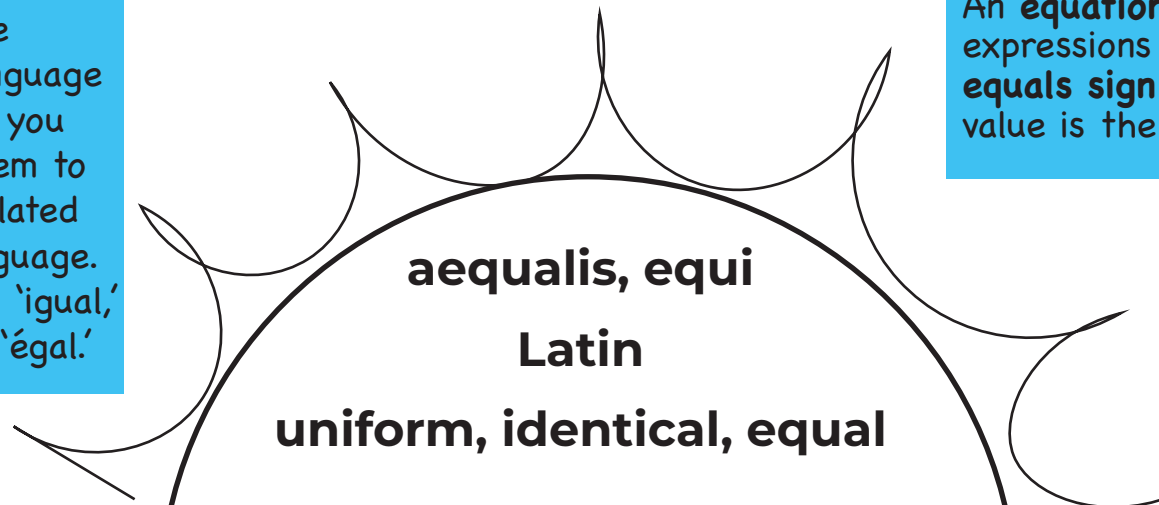
Give each student a copy of the blank handout and have them write words from the Latin root 'equi' around the sunrise.

Have your class create a long list of synonyms for 'equal.' Get them started with: identical, alike, the same, equivalent, indistinguishable, and matching.

Let students work in pairs or small groups to study one of the example words and then explain how its meaning relates to equality.

In math, numerators count the number of **equal** pieces in a fraction. An **equation** joins two expressions with an **equals sign** to show their value is the same.

If your students are learning another language with classical roots, you might encourage them to search for words related to equal in that language. In Spanish 'equal' is 'igual,' in French 'égale' or 'égal.'



Ask your students if equal is always fair.

## Vocabulary Sunrise: Latin Root equi

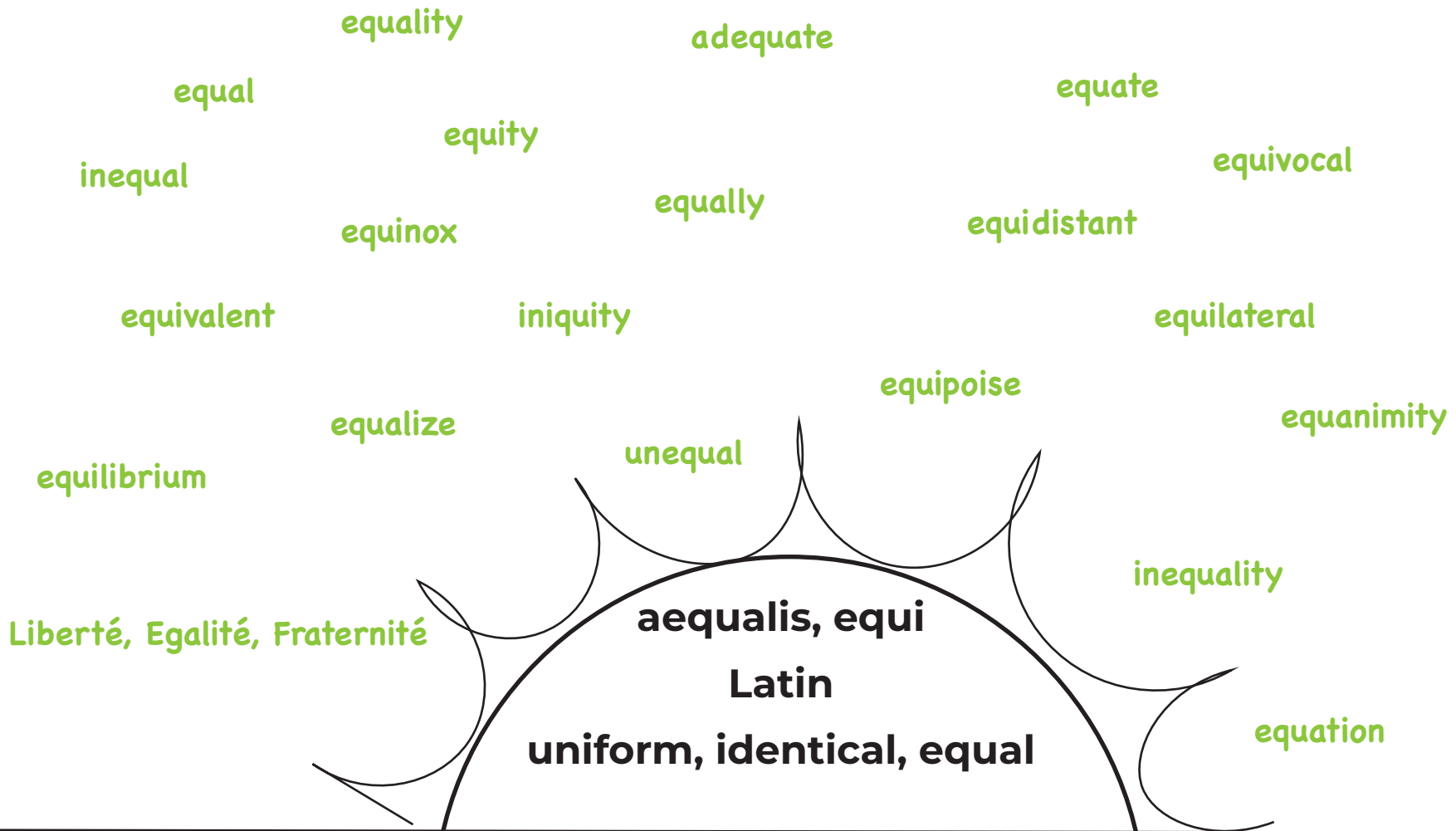
## Teacher Tips

A root is a word or word part that brings meaning and historical significance to words.

The same root can have a variety of spellings.

Decorate the sunrise with words that include 'equi' meaning equal.

How can learning about classical roots improve your academic vocabulary?



## Vocabulary Sunrise: Latin Root equi

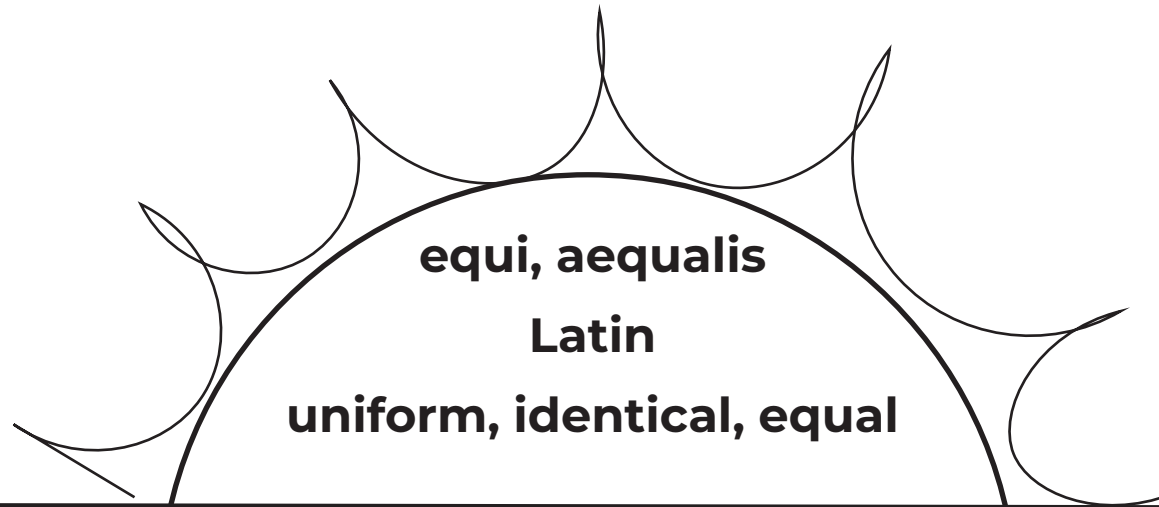
## Example

A root is a word or word part that brings meaning and historical significance to words.

The same root can have a variety of spellings.

Decorate the sunrise with words that include 'equi' meaning equal.

How can learning about classical roots improve your academic vocabulary?



## Vocabulary Sunrise: Latin Root equi

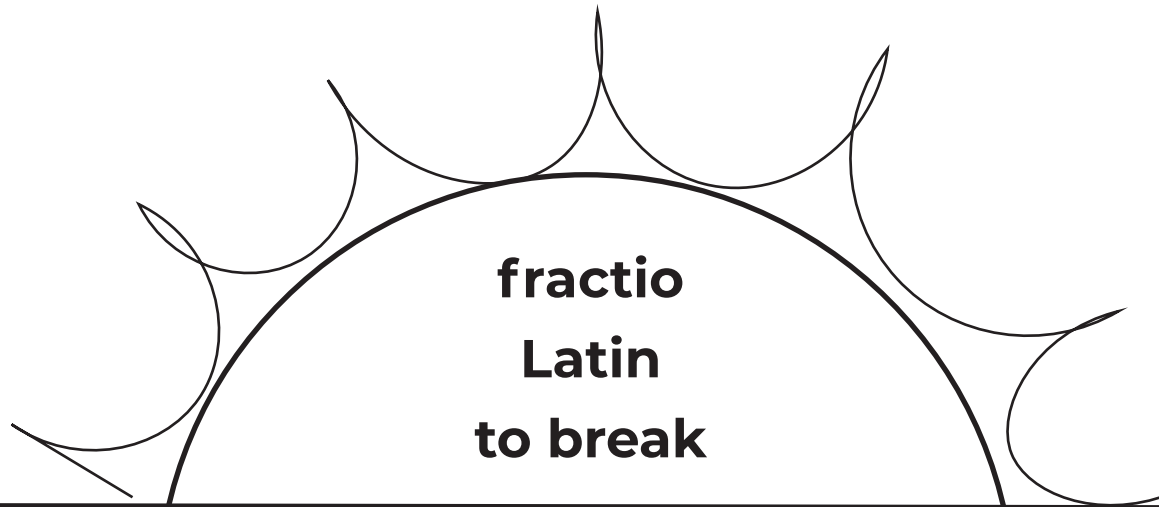
name:

A root is a word or word part that brings meaning and historical significance to words.

The same root can have a variety of spellings.

Decorate the sunrise with words that include 'equi' meaning equal.

How can learning about classical roots improve your academic vocabulary?



## Vocabulary Sunrise: Latin Root fractio

name:

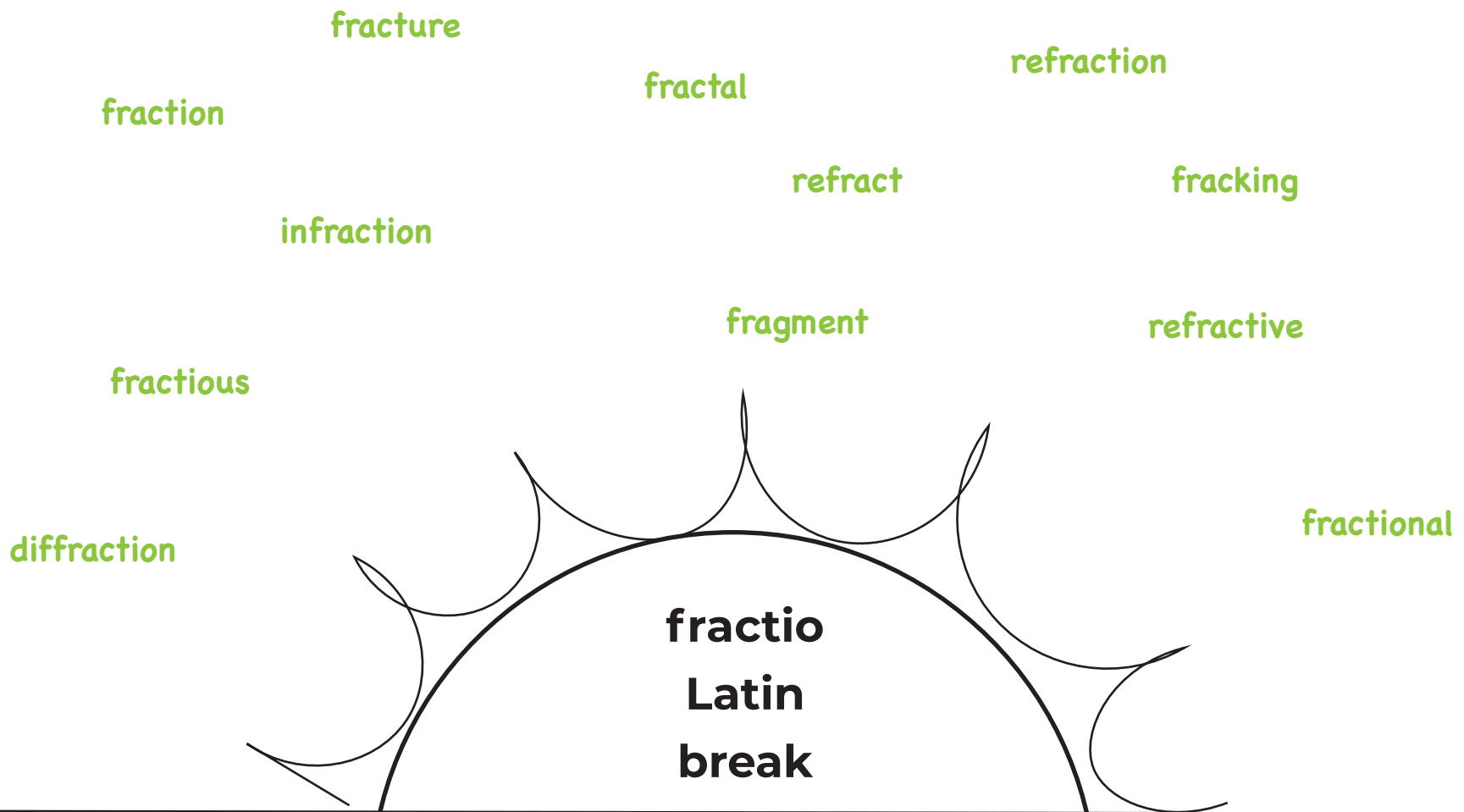
A root is a word or word part that brings meaning and historical significance to words.

The same root can have a variety of spellings.

Decorate the sunrise with words that include fractio meaning break.

How can learning about classical roots improve your academic vocabulary?





## Vocabulary Sunrise: Latin Root fractio

## Example

A root is a word or word part that brings meaning and historical significance to words.

The same root can have a variety of spellings.

Decorate the sunrise with words that include fractio meaning break.

How can learning about classical roots improve your academic vocabulary?

Give each student or student group a copy of the blank handout and have them generate lists of words to include around the sunrise.

Have a class discussion to identify which **fragment** of each word relates to 'fractio.'

Have your students use 'fractio' as the root for the name of a superhero or villain. They could illustrate and describe the character, explaining how their superpowers and names are related. What other classical roots could be adapted to name comic book characters, vehicles, or pets?  
Thinking of you, INDESTRUCTO!

Let students study one of the example words and then report on how its meaning relates to 'break.'

Demonstrate the power of learning about classical roots. Explain that 'fracking' is something geologists do to rocks in order to get to the oil underneath them. Invite your students to imagine what 'fracking' does to the rocks based only on its Latin root 'fractio.'

You might give each student a copy of the Example page. Have them explain what is 'breaking' in each word. Breaking rules is an infraction. Breaking whole numbers is a fraction. Breaking up rocks is fracking.

Challenge your students to use as many 'fractio' words as possible during the week.



**fractio**  
**Latin**  
**break**

## Vocabulary Sunrise: Latin Root fractio

A root is a word or word part that brings meaning and historical significance to words.

The same root can have a variety of spellings.

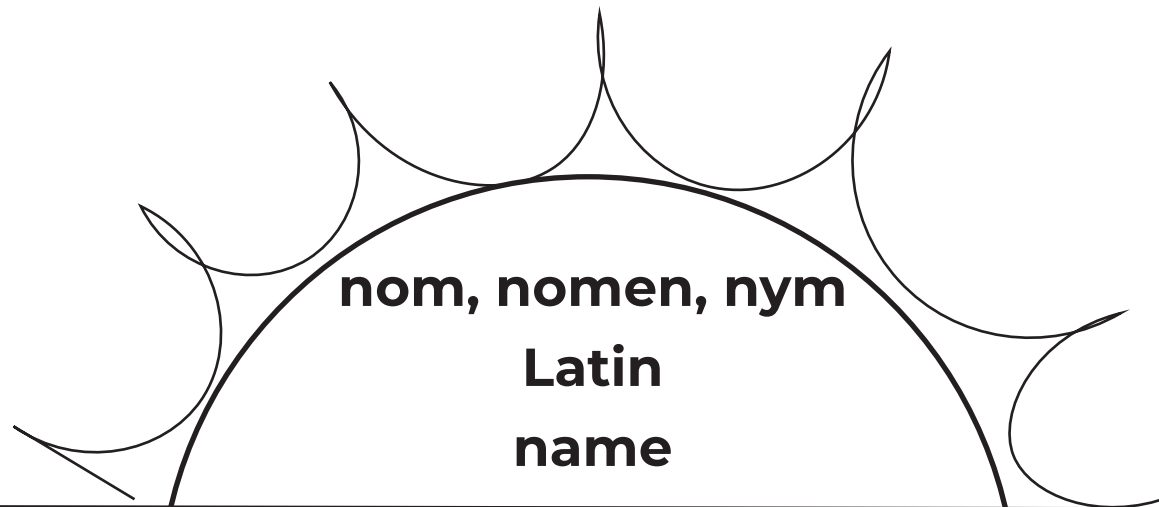
Decorate the sunrise with words that include fractio meaning break.

How can learning about classical roots improve your academic vocabulary?

## Teacher Tips

INDESTRUCTO was a beloved car from my youth. It lasted a long time, eventually sold, and could still be driving around somewhere.

*Isabelle*



## **Vocabulary Sunrise: Latin Root nom**

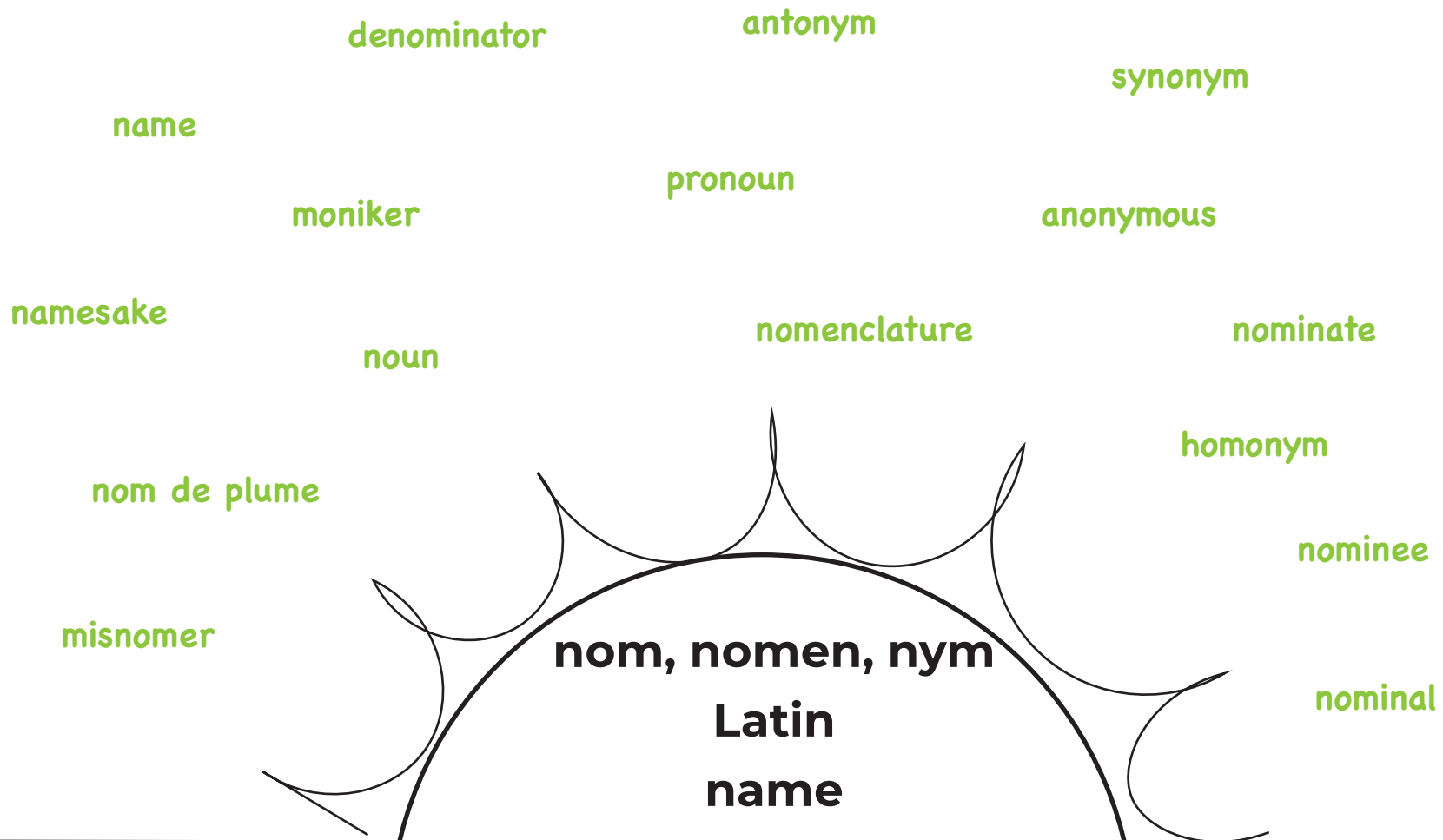
name:

A root is a word or word part that brings meaning and historical significance to words.

The same root can have a variety of spellings.

Decorate the sunrise with words that include nom meaning name.

How can learning about classical roots improve your academic vocabulary?



## Vocabulary Sunrise: Latin Root nom

## Example

A root is a word or word part that brings meaning and historical significance to words.

The same root can have a variety of spellings.

Decorate the sunrise with words that include nom meaning name.

How can learning about classical roots improve your academic vocabulary?

Give each student or student group a copy of the blank handout and have them generate lists of words to include around the sunrise.

Remind students that not every single word containing the letters 'nom' will be related to the idea of 'name.'

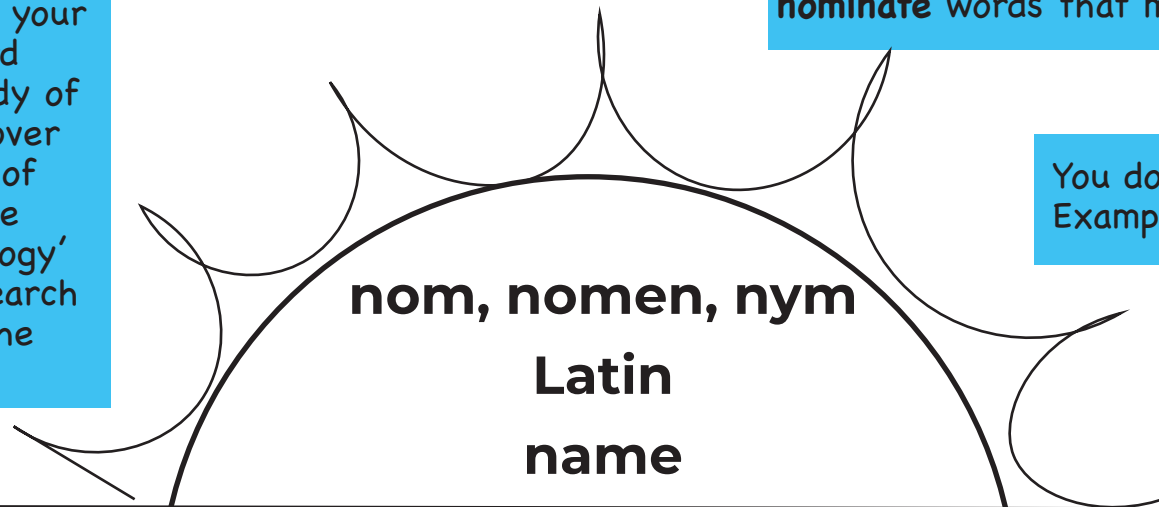
Let students work in pairs or small groups to study one of the example words and report on how its meaning relates to name.

You might give each student a small copy of the Example page for them to take notes on. Have them try to define each example word using 'name' in the definition.

You might introduce your students to the word 'etymology,' the study of how words change over time or the history of words. They can type 'denominator etymology' into a browser to search for the history of the term denominator.

You could create a large poster of the sunrise and invite students to add words to it on sticky notes. Or have a class discussion to **nominate** words that might fit on the poster.

You do not have to share the Example page with students.



## Vocabulary Sunrise: Latin Root nom

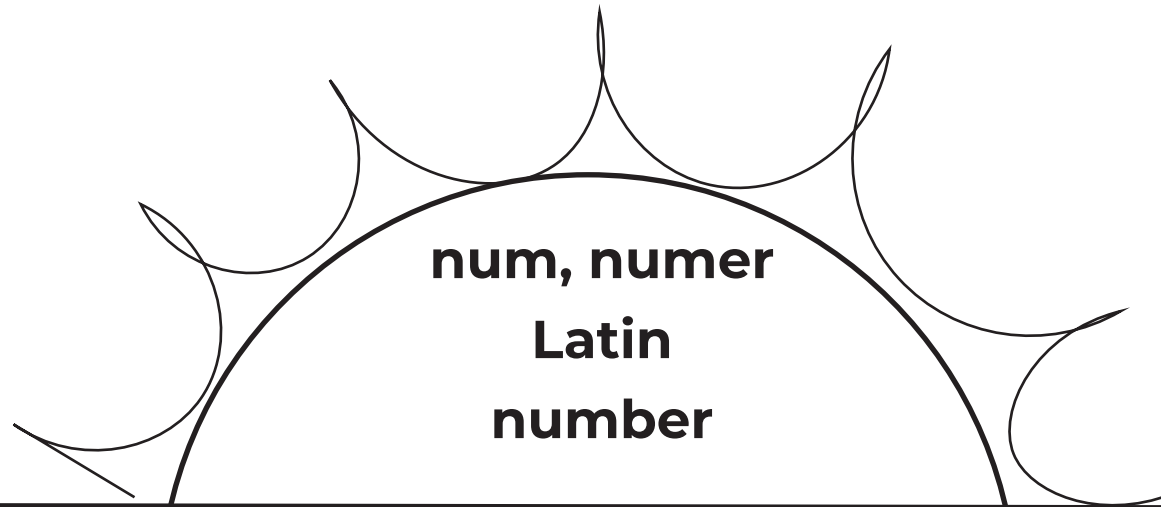
## Teacher Tips

A root is a word or word part that brings meaning and historical significance to words.

The same root can have a variety of spellings.

Decorate the sunrise with words that include nom meaning name.

How can learning about classical roots improve your academic vocabulary?



## **Vocabulary Sunrise: Latin Root num**

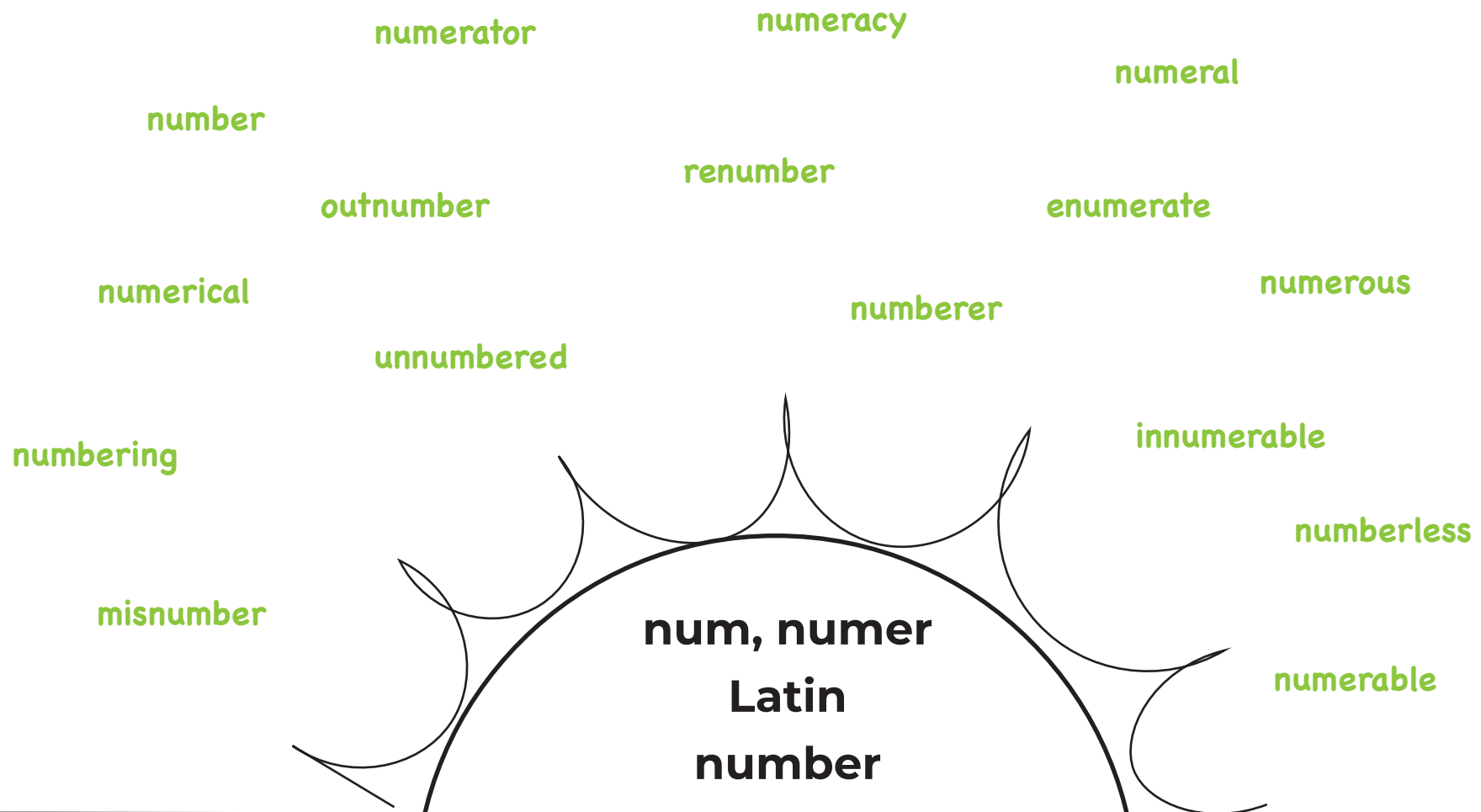
name:

A root is a word or word part that brings meaning and historical significance to words.

The same root can have a variety of spellings.

Decorate the sunrise with words that include num meaning number.

How can learning about classical roots improve your academic vocabulary?



## Vocabulary Sunrise: Latin Root num

## Example

A root is a word or word part that brings meaning and historical significance to words.

The same root can have a variety of spellings.

Decorate the sunrise with words that include num meaning number.

How can learning about classical roots improve your academic vocabulary?

Remind students that not every single word containing the letters 'num' will be related to the idea of 'numbers.'

Give each student or student group a copy of the blank handout and have them generate lists of words to include around the sunrise.

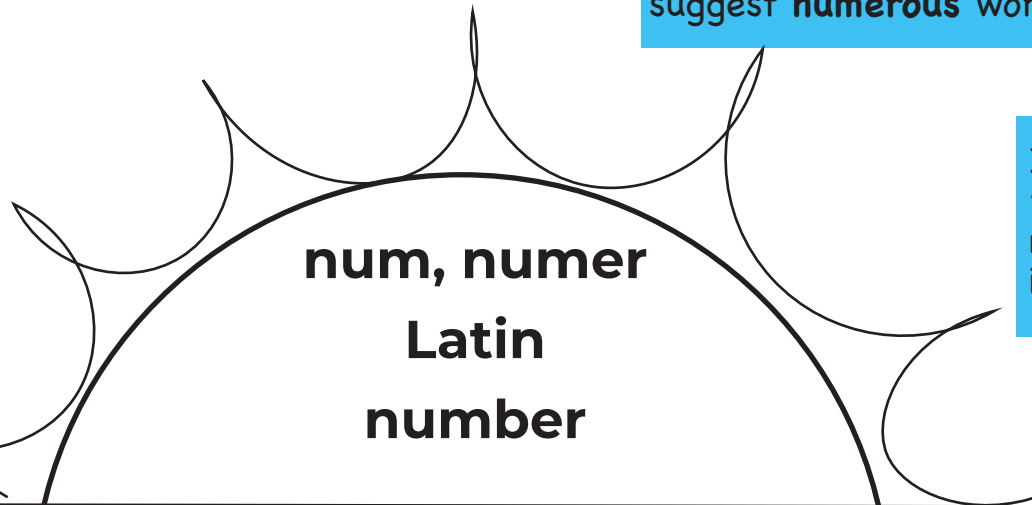
You might give each student a small copy of the Example page for them to take notes on. Have them try to define each example word using 'number' in the definition.

Let students work in pairs or small groups to study one of the example words and report on how its meaning relates to number.

You could create a large poster of the sunrise and invite students to add words to it on sticky notes. Or have a class discussion to suggest **numerous** words for the poster.

If your students are learning another language that has classical roots, you might encourage them to search for words related to num in that language. The Dutch word for number is nummer.

In math, the numerator tallies or counts the number of equal pieces in the fraction.



## Vocabulary Sunrise: Latin Root num

## Teacher Tips

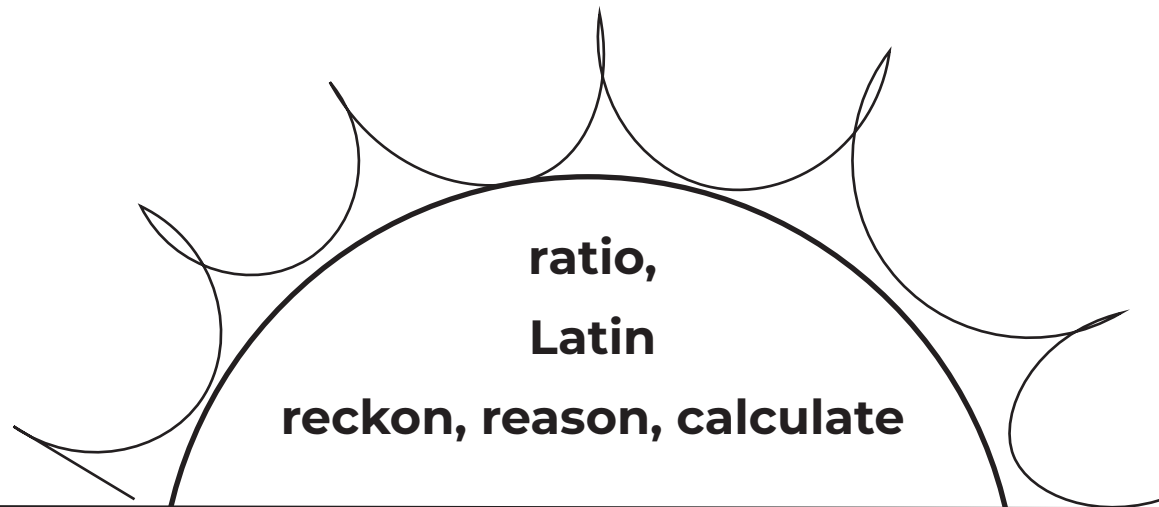
A root is a word or word part that brings meaning and historical significance to words.

The same root can have a variety of spellings.

Decorate the sunrise with words that include num meaning number.

How can learning about classical roots improve your academic vocabulary?

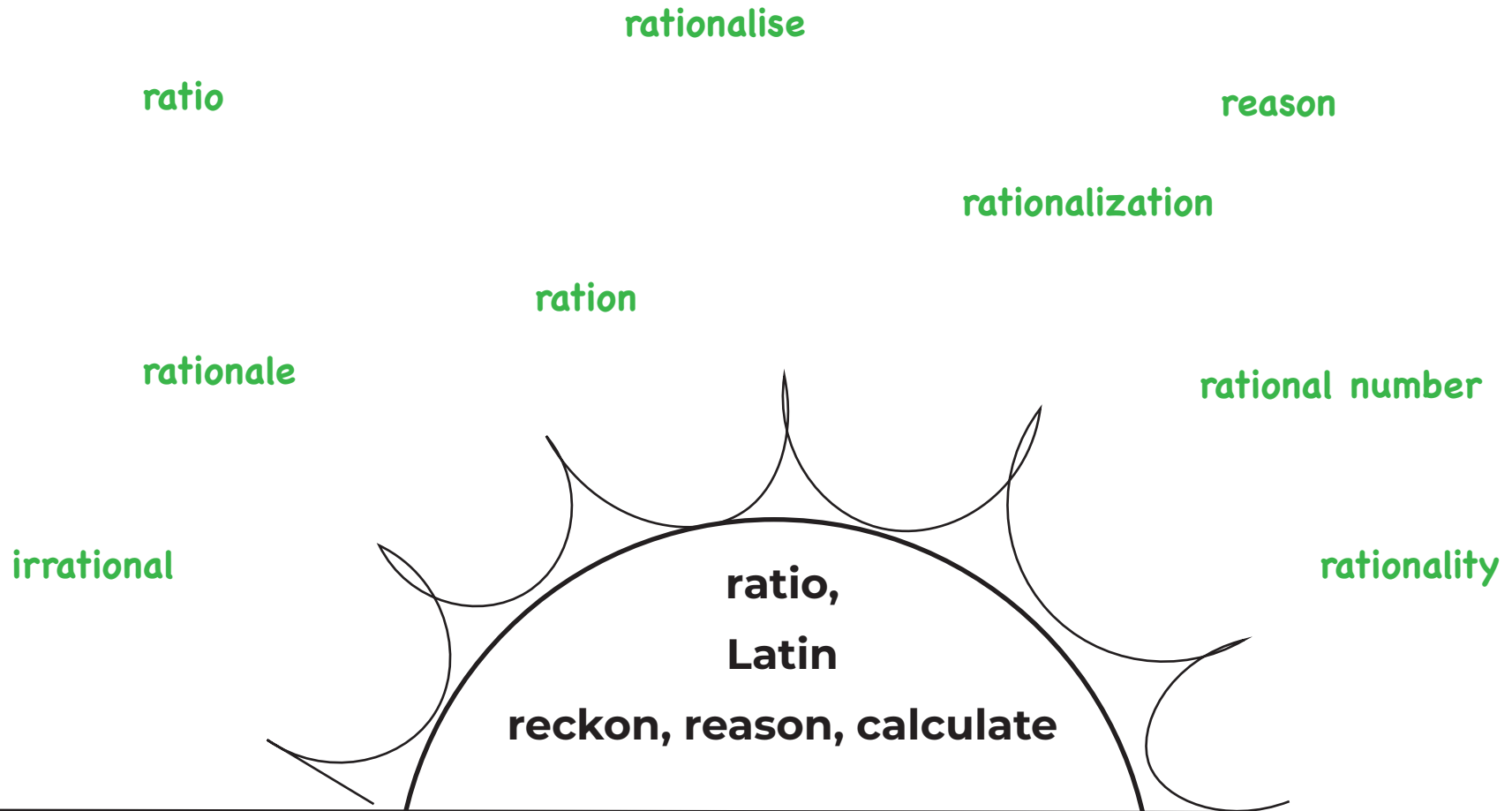




## Vocabulary Sunrise: Latin Root ratio

name:

A root is a word or word part that brings meaning and historical significance to words. Decorate the sunrise with words that include 'ratio' meaning 'reasoning' or 'proportion.' Mathematically it refers to the "number of times one (number) contains the other."



## Vocabulary Sunrise: Latin Root ratio

## Example

A root is a word or word part that brings meaning and historical significance to words. Decorate the sunrise with words that include 'ratio' meaning 'reasoning' or 'proportion.' Mathematically it refers to the "number of times one (number) contains the other."

Have a class discussion on the value of learning classical roots.

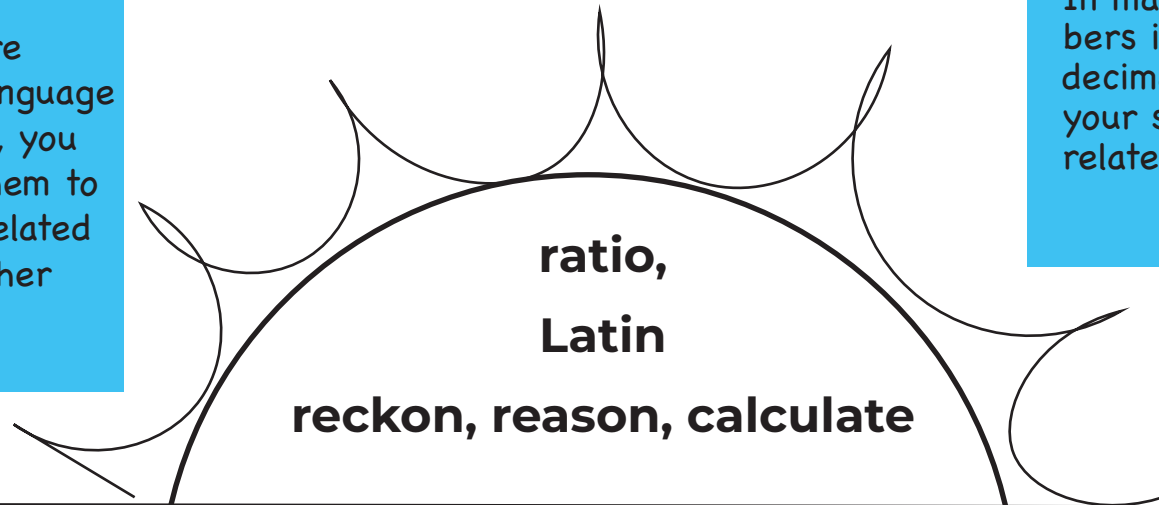
Give each student a copy of the blank handout and have them write words from the Latin root 'ratio' around the sunrise.

Have your class create a long list of synonyms for 'rational' Get them started with: reasonable, balanced, and logical.

Let students work in pairs or small groups to study an example word and explain how its meaning relates to porportionality.

If your students are learning another language with classical roots, you might encourage them to search for words related to ratio in those other languages.

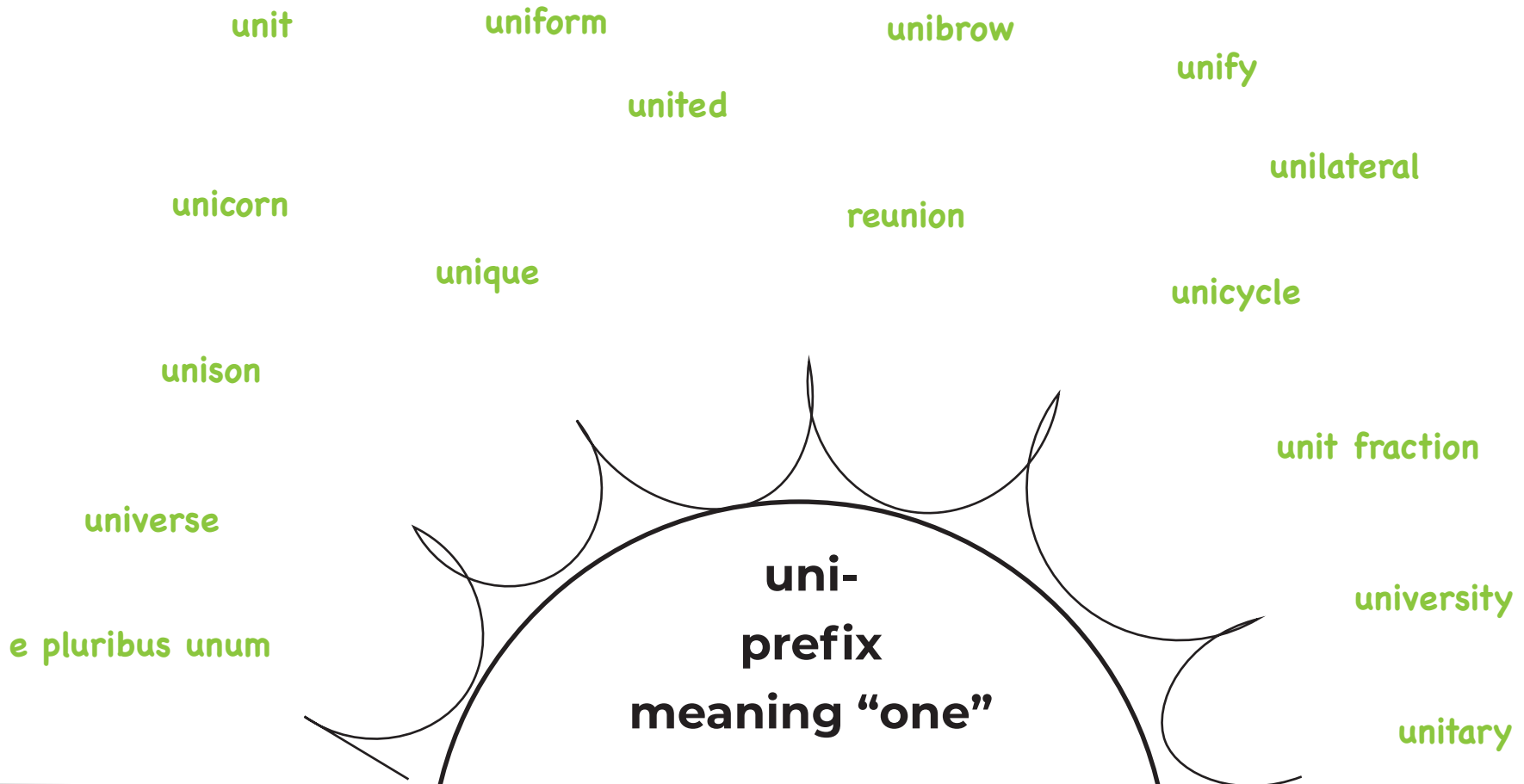
In math, rational numbers include fractions, decimals, and ratios. Ask your students how these related to proportional.



## Vocabulary Sunrise: Latin Root equi

## Teacher Tips

A root is a word or word part that brings meaning and historical significance to words. Decorate the sunrise with words that include 'ratio' meaning 'reasoning' or 'proportion.' Mathematically it refers to the "number of times one (number) contains the other."



## Vocabulary Sunrise: Prefix uni-

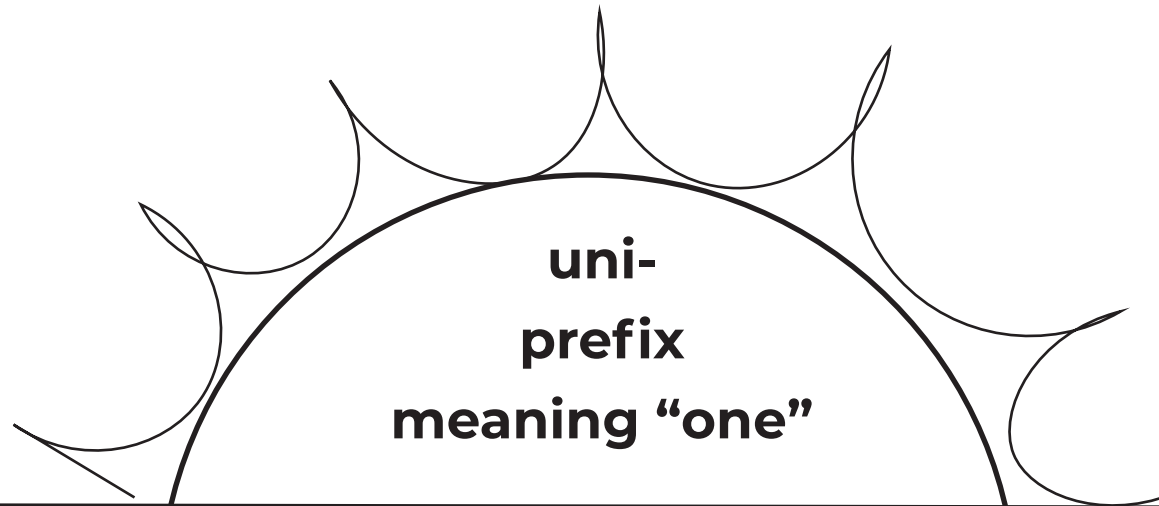
## Example

A prefix is a letter, word, or word part, attached to the front of words to change their meaning.

For example, pre- is a prefix meaning before, ahead of time, in advance. Here are some examples: preface, premix, preheat, preschool, prevent, prepaid, and predict.

Uni- means 'one' or 'single.'

Decorate the sunrise with words that have the prefix uni- meaning 'one.'



## Vocabulary Sunrise: Prefix uni-

name:

A prefix is a letter, word, or word part, attached to the front of words to change their meaning.

For example, pre- is a prefix meaning before, ahead of time, in advance. Here are some examples: preface, premix, preheat, preschool, prevent, prepaid, and predict.

Uni- adds the idea of 'one' or 'single' when used as a prefix.

Decorate the sunrise with words that have the prefix uni- meaning 'one.'

Make half page copies of the Example page. Give students their own copy for reference. Have them record how the idea of 'one' comes into the meaning of each word.

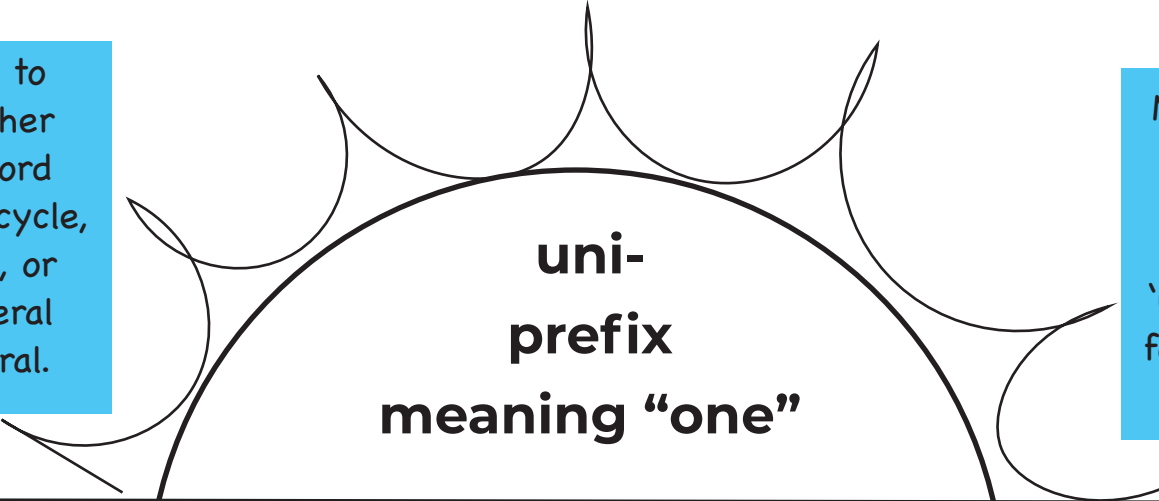
Search online for more words that have the prefix uni- meaning one.

Make a large copy of the handout to use as a class project. Invite students to post uni-words around the sunrise with sticky notes. **Unite** your class to determine how the prefix uni- adds to the word's meaning.

You may want to let your students know that other languages with classic roots share this prefix. In Spanish and Italian the number one is 'uno.'

Give your students sticky notes to record words with the prefix uni- as they appear in their reading.

Encourage students to replace uni- with other prefixes to adapt word meaning. Compare unicycle, bicycle, and tricycle, or unilateral with bilateral and even quadrilateral.



Make connections with academic vocabulary from other subjects. In math for example, 'unit fraction' is a term for a number with 'one' in the numerator.

## Vocabulary Sunrise: Prefix uni-

## Teacher Tips

A prefix is a letter, word, or word part, attached to the front of words to change their meaning. For example, pre- is a prefix meaning before, ahead of time, in advance. Here are some examples: preface, premix, preheat, preschool, prevent, prepaid, and predict.

Uni- means 'one' or 'single.'

Decorate the sunrise with words that have the prefix uni- meaning 'one.'

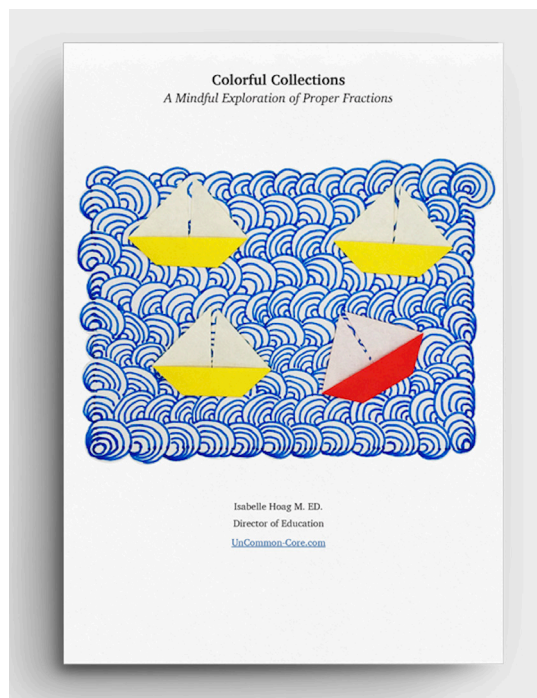
Hello Teachers Pay Teachers Teacher,

Thank you for downloading this handout. After decades of teaching, I enjoy sharing some of the activities I designed for my students.

Feel free to share your wild enthusiasm for the materials you downloaded from [UnCommon Core dot com](http://UnCommonCore.com) on TPT.

Download more free classroom materials at [UnCommon-Core.com](http://UnCommon-Core.com).

While you are there, sign up for your free copy of *Colorful Collections: A Mindful Exploration of Proper Fractions*.



How did you adapt the activities to fit your students? Please share your ideas with other teachers in the [UnCommon Core Teachers facebook group](#).

To get updates about new printables, great online courses for teachers and the occasional blog post follow [UnCommon-Core.com on Facebook](#).

Thank you again for downloading materials from UnCommon Core dot com on Teachers Pay Teachers. All the best,

Isabelle

Isabelle Hoag M.Ed.  
Director of Education  
UnCommon-Core.com

# Terms of Use

By downloading this product, you agree that the contents are the property of Isabelle Hoag M. Ed., Director of Education at [UnCommon-Core.com](http://UnCommon-Core.com) and licensed to you only for classroom/personal use as a single user. I retain the copyright, and reserve all rights to this product.

---

## YOU MAY:

- Use this product with your own students, in your classroom, or for your own personal use.
  - Reference this product in blog posts, professional development workshops, at seminars, or other similar venues, ONLY if both credit is given to me as the author and a link to [UnCommon-Core.com](http://UnCommon-Core.com) is included.
  - Please direct others to [UnCommon-Core.com](http://UnCommon-Core.com) or my UnCommon-Core dot com TPT Store where they can download their own free copies.
- 

## YOU MAY NOT:

- Claim this work as your own, alter the files in any way or remove copyright/watermarks.
  - Sell the files or combine them into another unit for sale or for free.
  - Post this document for sale or free elsewhere on the internet including Google Doc links on blogs.
  - Make copies of this product to share with others.
- 

Thank you for following universally accepted codes of professional ethics while using this product. If you have any issues with the file, or notice an error please contact me and I will be happy to help sort it out.

Thank you!

[Isabelle@Uncommon-Core.com](mailto:Isabelle@Uncommon-Core.com)