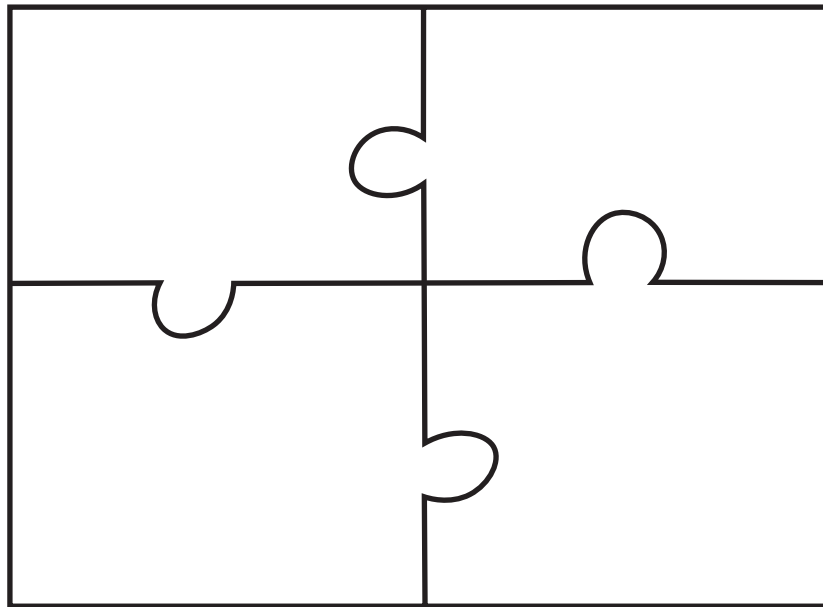


# Fraction Vocabulary Jigsaw Activity



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

Hello Teachers,

Thank you for downloading this handout. After decades of teaching, now I am sharing some of the activities I designed for my students and some new ones as well.

Please, check out the self-paced teacher education courses on UnCommon-Core.com.

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

Also, visit my Teachers Pay Teachers store UnCommon-Core dot com.

Thank you again. All the best,



Isabelle

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

# Fraction Vocabulary Jigsaw Activity

This activity engages students in the discovery of roots, prefixes, and suffixes that bring meaning and nuance to content.

## Prepare:

Decide how many students you want in each group. Four is the ideal group size. You can add symbols to make more groups. For example, adding a sun to half of the pieces will allow you to create smaller groups: a 'sun num' group and a plain 'num' group. Write various color words under the word parts before copying the puzzle pieces.

Copy the puzzle pieces on cardstock and cut them out. Make sure there are a few more pieces than there are students. This will give you some flexibility in making groups.

Make copies of the blank sunrise pages ~ one for each puzzle piece of the same name.

Collect or identify dictionaries and safe online resources for your students to visit while they collect information about the roots and affixes.

## Round One: Word Part Research Groups: num, nom, de-, -ator

Give each student a puzzle piece. Have them meet in groups according to the word parts on top of their puzzle piece.

In round one, each group works together to:

- Research their root or affix
- Determine how their word part contributes to the meaning of fraction vocabulary
- Prepare talking points to share with others

## Round Two: Word Study Groups: red, green, yellow, blue, orange, violet

Students move into new groups based on the colors listed on their puzzle pieces.

In round two, each group works together to:

- Combine the information from round one
- Use that information to create detailed definitions of 'numerator' and 'denominator'
- List any puzzles or questions that remain

**Reflect:** Let students share comments and reactions to the activity, in writing or discussion.

num  
blue

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nom  
blue

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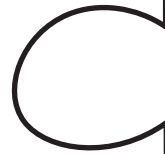
-ator  
blue

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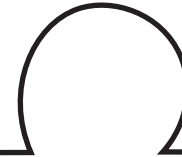
de-  
blue

© 2022 UnCommon-Core.com

num  
red



nom  
red



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-ator  
red



de-  
red

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num

nom

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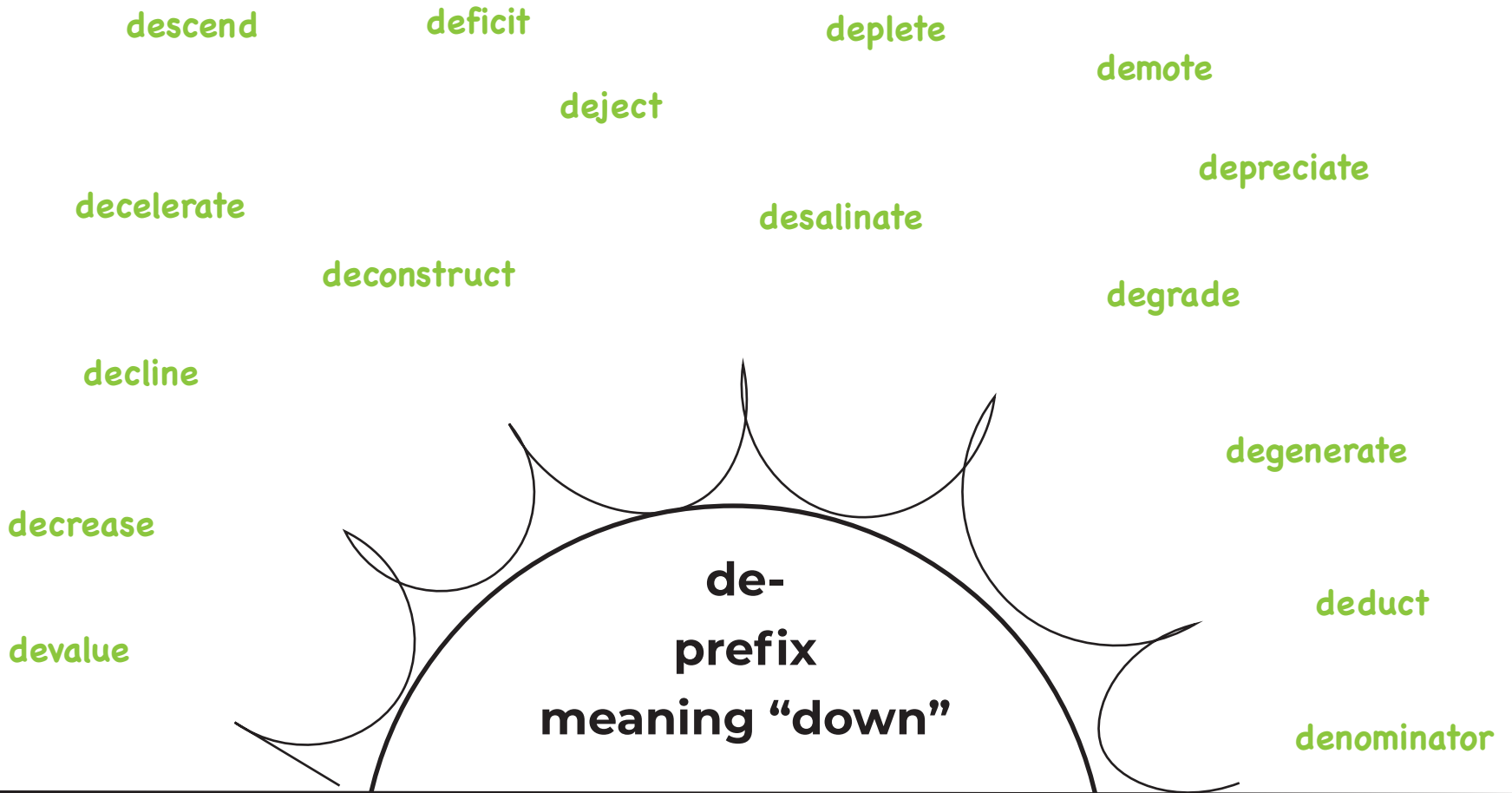
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-ator

de-

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## Vocabulary Sunrise: Prefix DE-

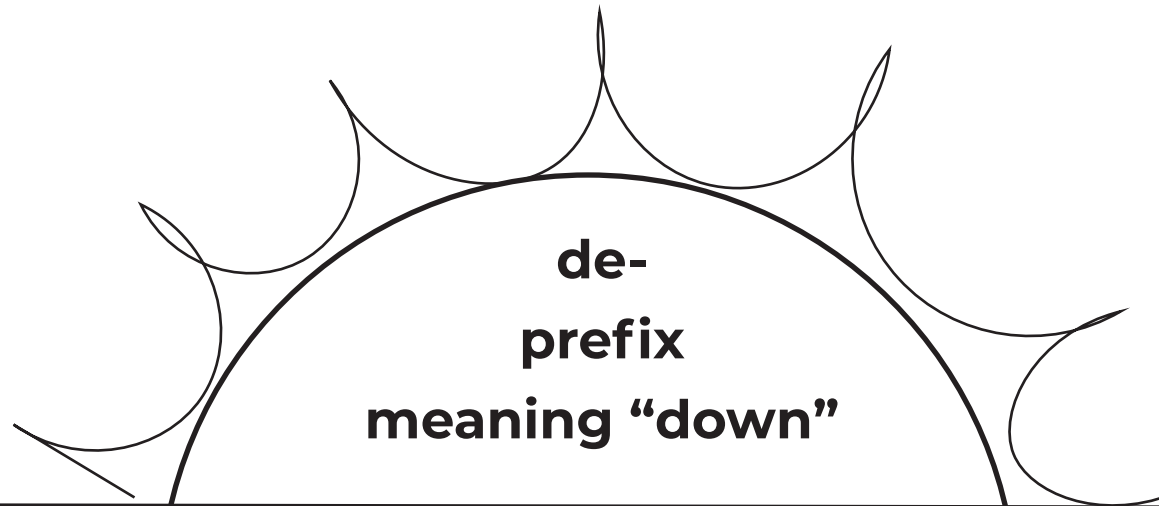
## Example

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:

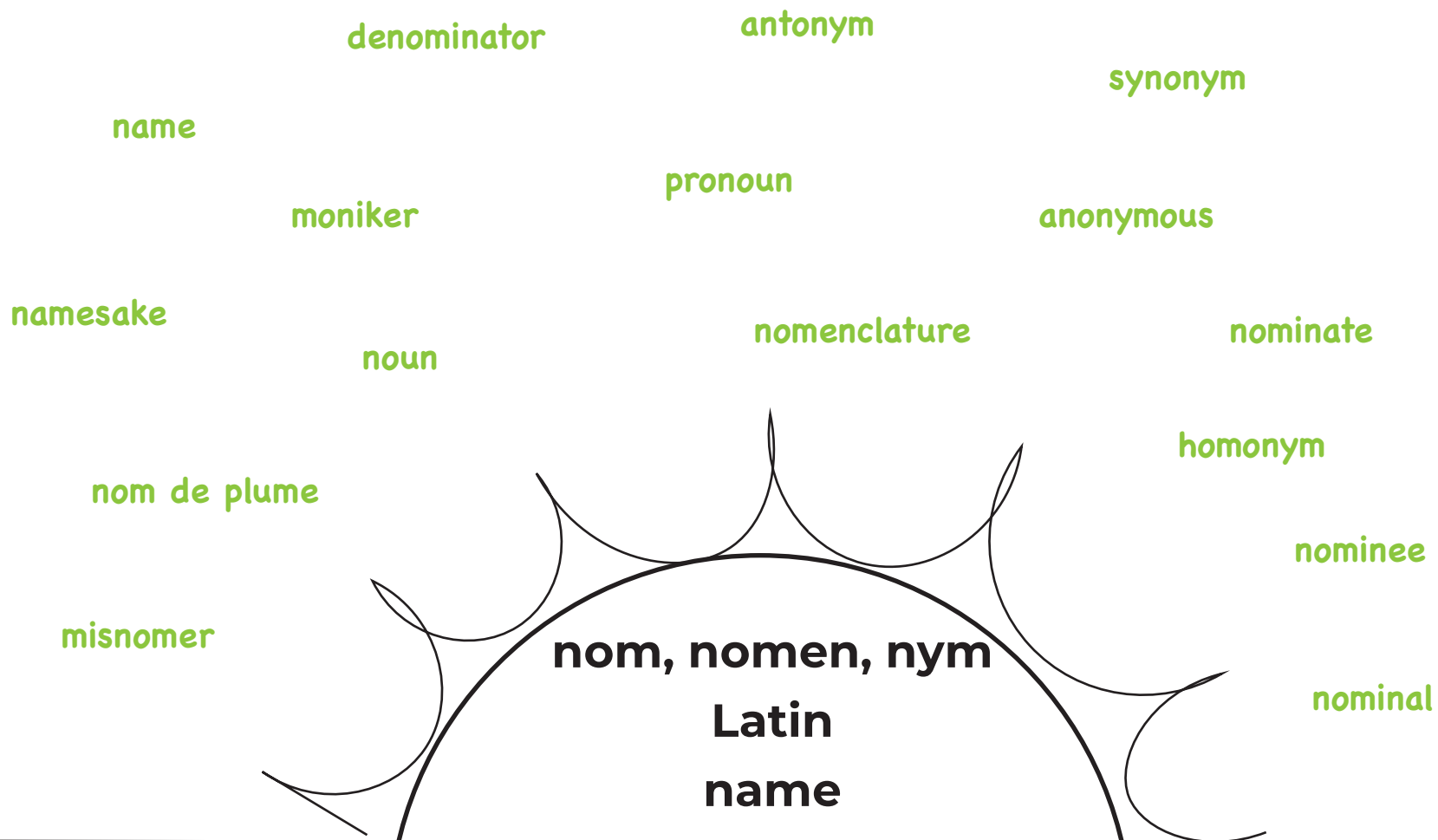
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## Vocabulary Sunrise: Latin Root nom

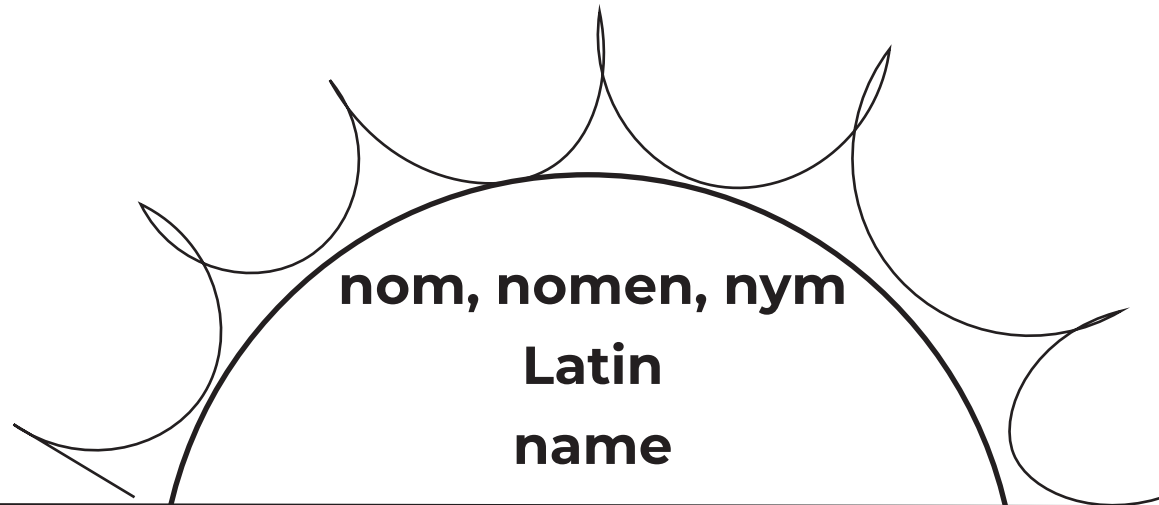
## Example

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?



## Vocabulary Sunrise: Latin Root nom

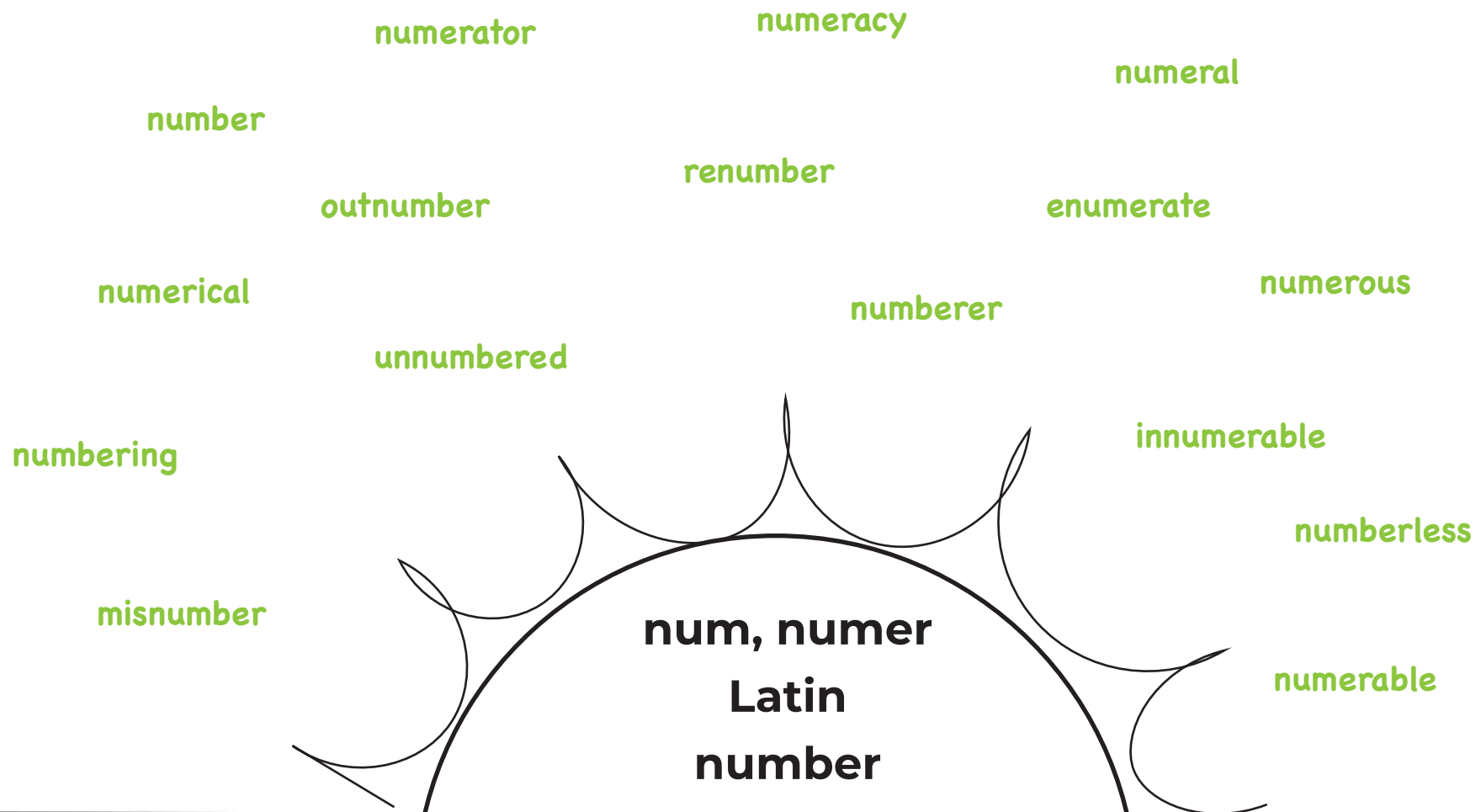
name:

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## Vocabulary Sunrise: Latin Root num

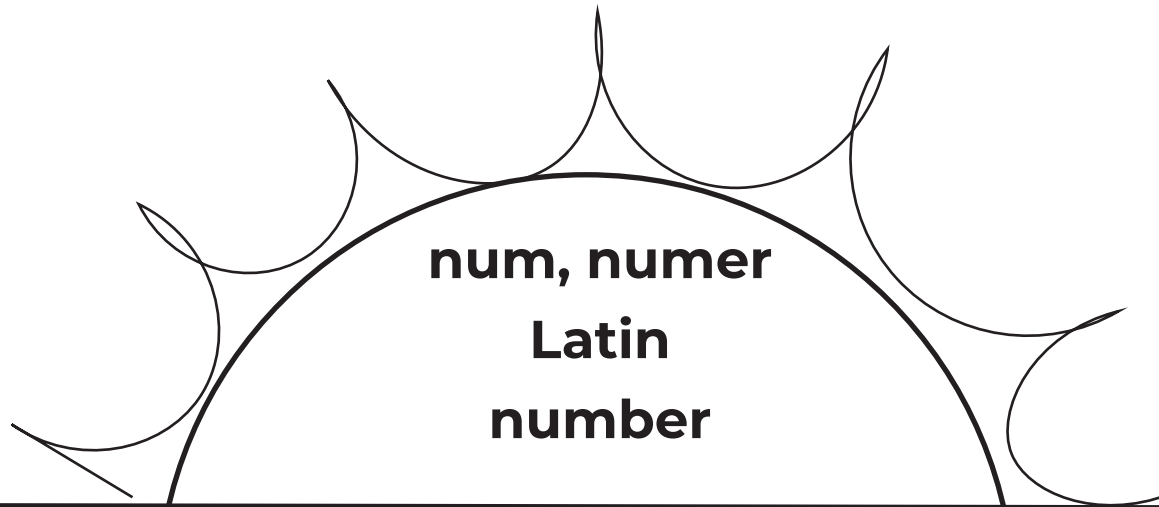
## Example

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?



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

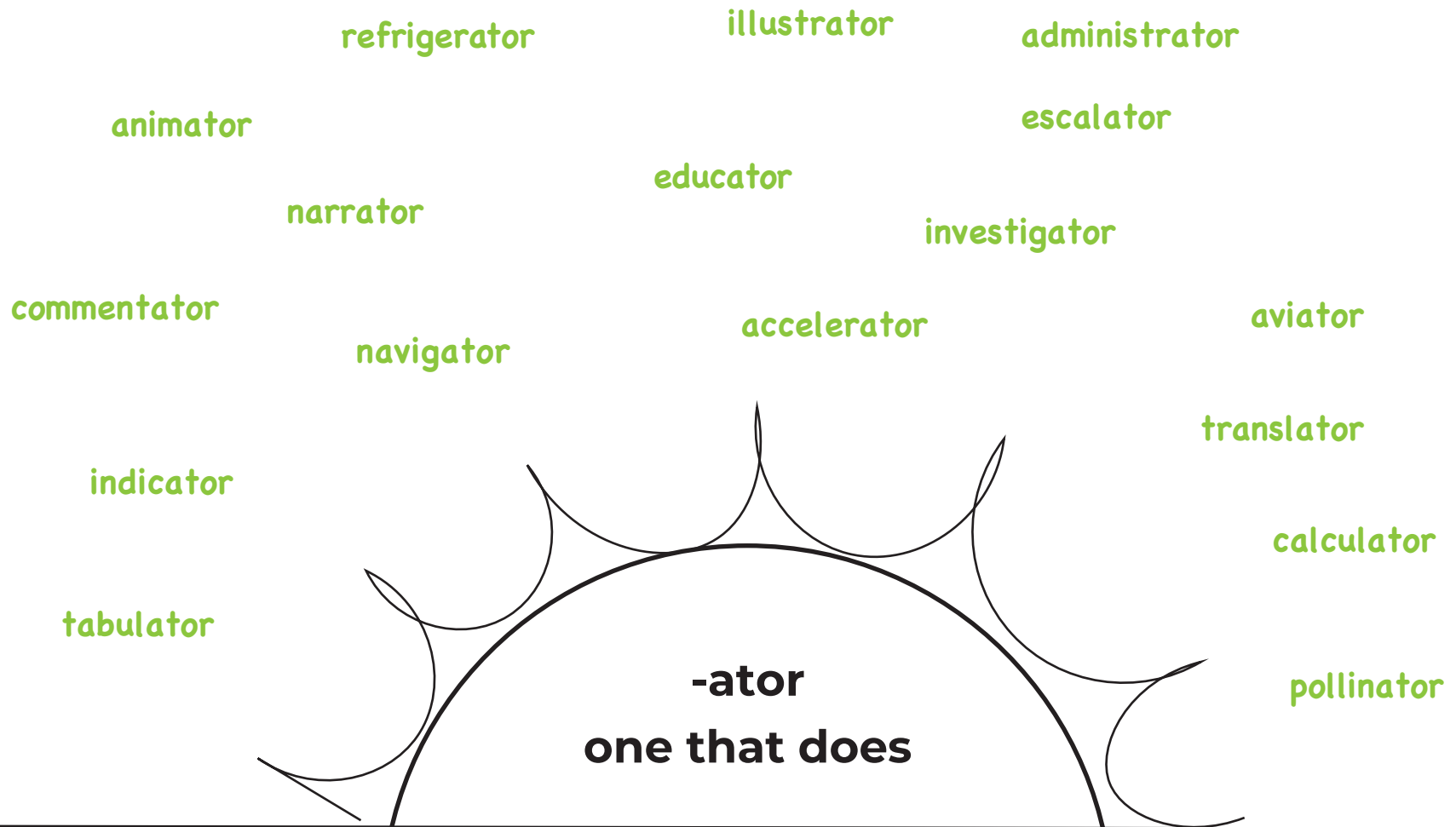
name:

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.

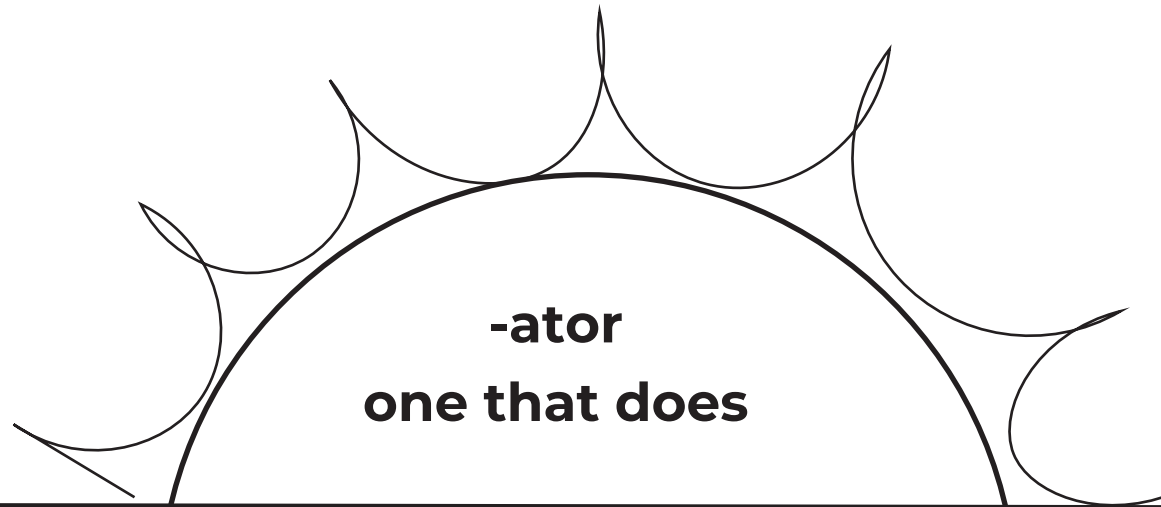
How can learning about classical roots improve your academic vocabulary?



## Vocabulary Sunrise: suffix -ator

## Example

A suffix is a word or word part that adds meaning to the end of words.  
Decorate the sunrise with words that end with -ator meaning 'one that does.'  
How can learning about suffixes improve your academic vocabulary?



## Vocabulary Sunrise: suffix -ator

name:

A suffix is a word or word part that adds meaning to the end of words.  
Decorate the sunrise with words that end with -ator meaning 'one that does.'  
How can learning about suffixes improve your academic vocabulary?

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# Fraction Vocabulary Jigsaw Activity

Help your students:

- understand fractions
- see why the denominator is under the division bar
- take ownership of words like 'numerator' and 'denominator'



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