# ROUNDING ON A NUMBER LINE 

## ROUNDING WITHIN 10,000 | NEAREST THOUSAND, HUNDRED, AND TEN

## PRINT AND DIGITAL

## ACTIVITIES TO SUPPORT A CONCEPTUAL UNDERSTANDING OF ROUNDING NUMBERS



Rounding to the Nearest Thousand


Rounding to the Nearest Thousand Practice Now it's time to practice rounding to the nearest thousand. Use this
number line to visualize the benchmark and midpoint numbers.

| Round each of these numbers to the nearest thousand. |
| :--- |
| Number Nearest Thousand <br> 7.610  <br> 4.300  <br> 1.225  <br> 3.500  <br> 3.450 Number Nearest Thousand <br> 9.189  <br> 2.800  <br> 6.401  <br> 7.500  <br> 1.840  | Round each number

the legend below.
Rounds 102.000 RED Rounds 103000 YELLOW Rounds so 4.000 BBLUE R Runds to 5000 ORANGE

$$
\text { (1.837 2.800 } 2.2000
$$

$\begin{array}{lllll}2,504 & (2,200 & (2,120 & (4,700) & (3,377)\end{array}$

## Round and Graph

Round each number to the nearest tho
in the correct space on the bar graph.

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| :---: |
| mark |
| mark |


| to this thous |
| :--- |
| enearest the |


| e nearest th |  | 9.812 | 1.900 | 5,710 |
| :---: | :---: | :---: | :---: | :---: |

## Use the grap questions.

1. How many numbers rounded to
4,000 ?
2. How many numbers rounded to
8.000 \%
3. 10,000?
4. List two other numbers you could add to the "Rounds to 4.000 " category.
5. Using what you know about rounding, can you name 3
numbers greater than 1.000 that will round to 1,000 ?
$2.424-205-1.800-6.470$


$$
E=1
$$

How did you learn to round numbers? Did you learn a rhyme like, "Four or less, let it rest. Five or more, add one more?" A quick search online for rounding rules will result in loads of cute rhymes and tricks for rounding. But rhymes and tricks don't teach our students the true meaning of rounding.

I'd like to encourage you to stop teaching the rounding rhymes, and focus on real, conceptual understanding with your students. Remember that the goal is deep understanding and number sense development, not simply getting a correct answer quickly.

## Using Number Lines to Round

When we use number lines to round numbers, we allow our students to see how rounding works and truly understand it. When you place benchmark numbers and midpoints on a number line, it becomes clear which benchmark a number is closest to!

This resource will provide scaffolding to students as they learn the process of rounding on a number line.

In the Learning to Round section, students will learn about benchmark numbers, how to find midpoints, and how this can help them round to the nearest thousand.

In the Practice and Reinforcement section, students will be provided with opportunities to practice what they have learned and use their new rounding knowledge.

## BONUS SECTIONS

The focus of this resource is on rounding to the nearest thousand within 10,000. However, there are also BONUS SECTIONS included for rounding to the nearest hundred and ten within 10,000.

This resource is included in both a print and digital version so you can choose the version that best suits your needs.

In the Learning to Round section, you will find a variety of activities that lead students through the process of rounding in a way that is easy to understand. Students begin by learning about benchmark numbers and midpoints. Then they will learn how to identify which thousand a number is closer to, based on its location in relation to the benchmarks and midpoint. Near the end of this section they will move to rounding practice in a scaffolded way.


In the Practice and Reinforcement section, you will find a variety of activities that reinforce the concepts that students learned in the first section. These are sure to keep students engaged while practicing rounding.


## the activities

In the EXTENSION bonus sections, you will find a variety of activities to teach and reinforce rounding to the nearest hundred and ten within 10,000.


I've also included a Putting It All Together section in this resource, where students work with EVERYTHING they've learned in this comprehensive package - nearest thousand, hundred, and ten!


This resource is also provided to you in a digital format! This is not simply a copy of the PDF with text boxes inserted - rather, this is a version that is optimized for digital use with color images and moveable pieces. This digital version is provided in Google Slides™ format.


# I can't wait to hear your success stories as you teach rounding in a conceptual way that allows students to truly build deep understanding! 

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## Supplementing This Resource

If you are looking for ways to supplement this resource with concrete activities (which I highly recommend), please see this post on my website, where I offer practical ideas for teaching rounding for true understanding using the Concrete-Representational-Abstract Model as a basis.
How to Teach
Rounding for Real
Understanding

