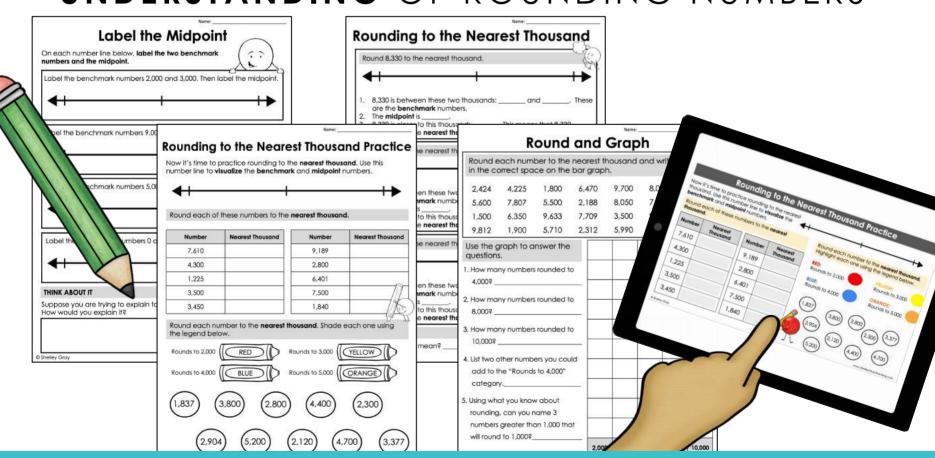
# ROUNDING ON A NUMBER LINE

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

#### PRINT AND DIGITAL

ACTIVITIES TO SUPPORT A CONCEPTUAL UNDERSTANDING OF ROUNDING NUMBERS



SHELLEY GRAY

## about this resource

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

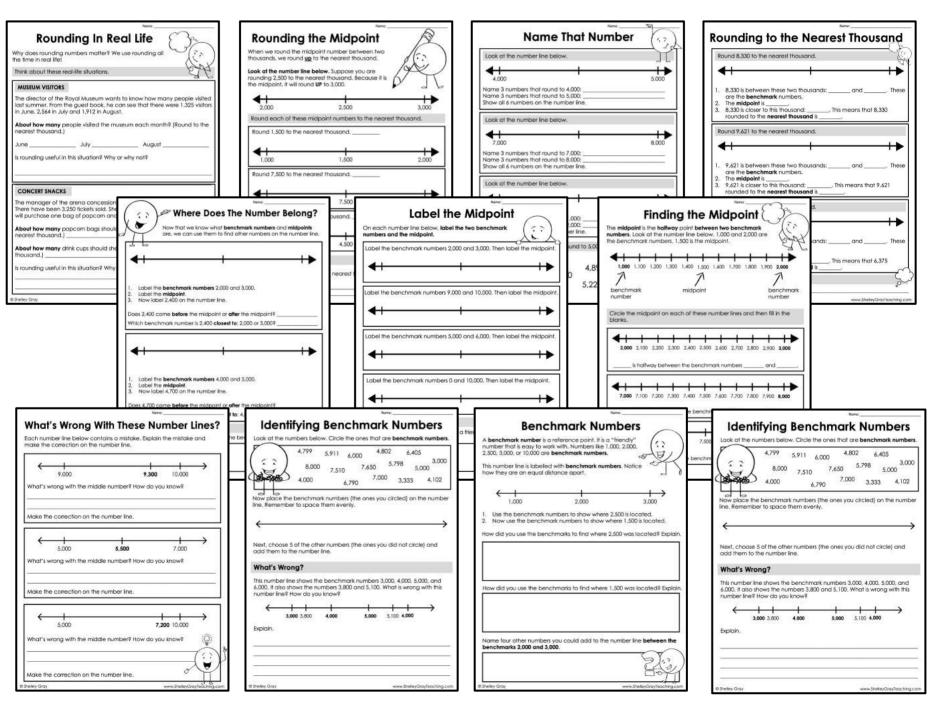
In the <u>Practice and Reinforcement</u> section, students will be provided with opportunities to practice what they have learned and use their new rounding knowledge.

#### **BONUS SECTIONS**

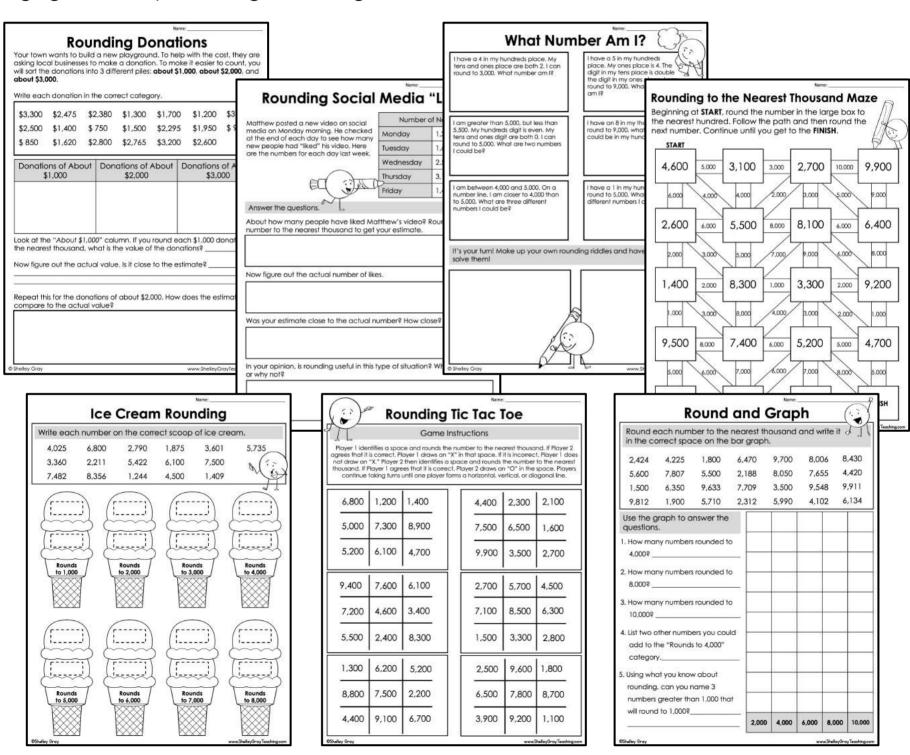
The focus of this resource is on rounding to the nearest thousand within 10,000. However, there are also **BONUS SECTIONS** included for rounding to the nearest hundred and ten within 10,000.

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

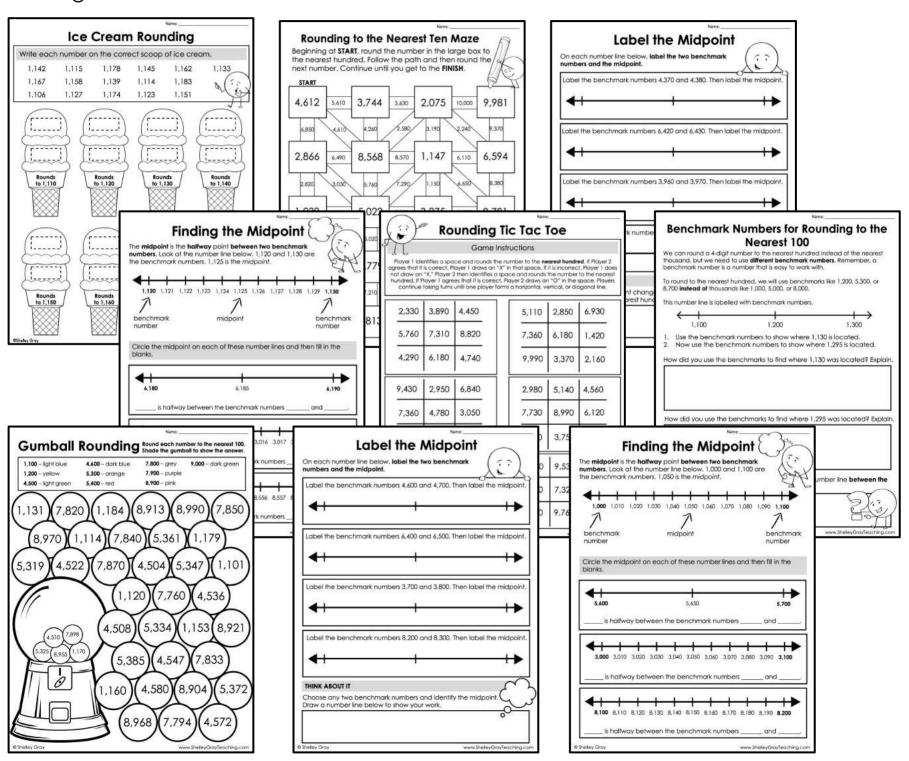
In the **Learning to Round** section, you will find a variety of activities that lead students through the process of rounding in a way that is easy to understand. Students begin by learning about benchmark numbers and midpoints. Then they will learn how to identify which thousand a number is closer 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.



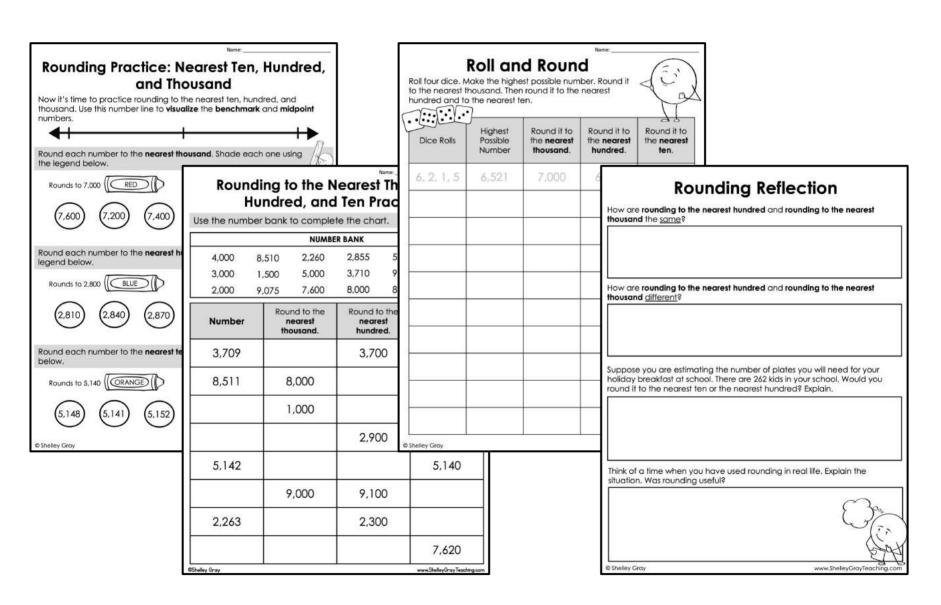
In the **Practice and Reinforcement** section, you will find a variety of activities that reinforce the concepts that students learned in the first section. These are sure to keep students engaged while practicing rounding.



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.

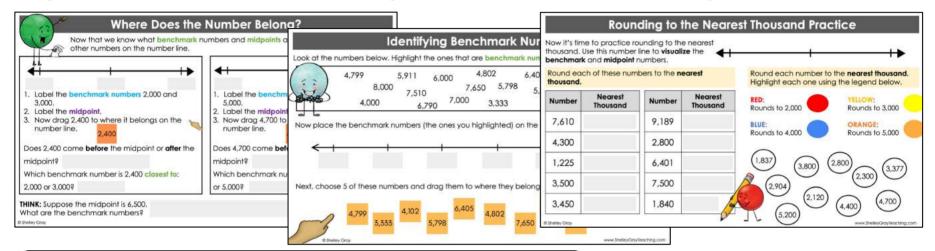


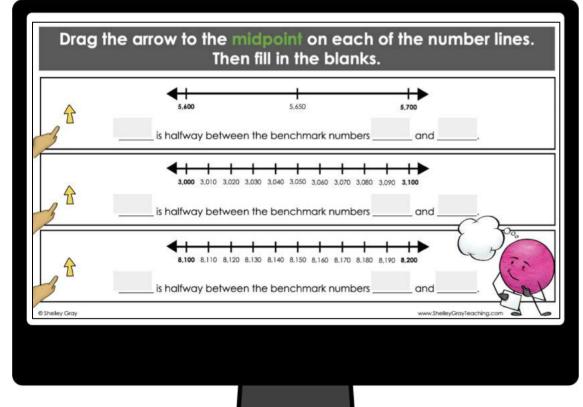
I've also included a **Putting It All Together** section in this resource, where students work with EVERYTHING they've learned in this comprehensive package – nearest thousand, hundred, and ten!

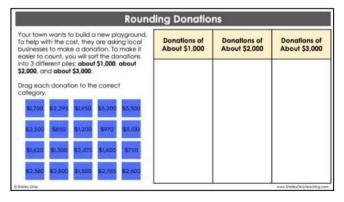


## digital version

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!

www.ShelleyGrayTeaching.com

#### **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.

