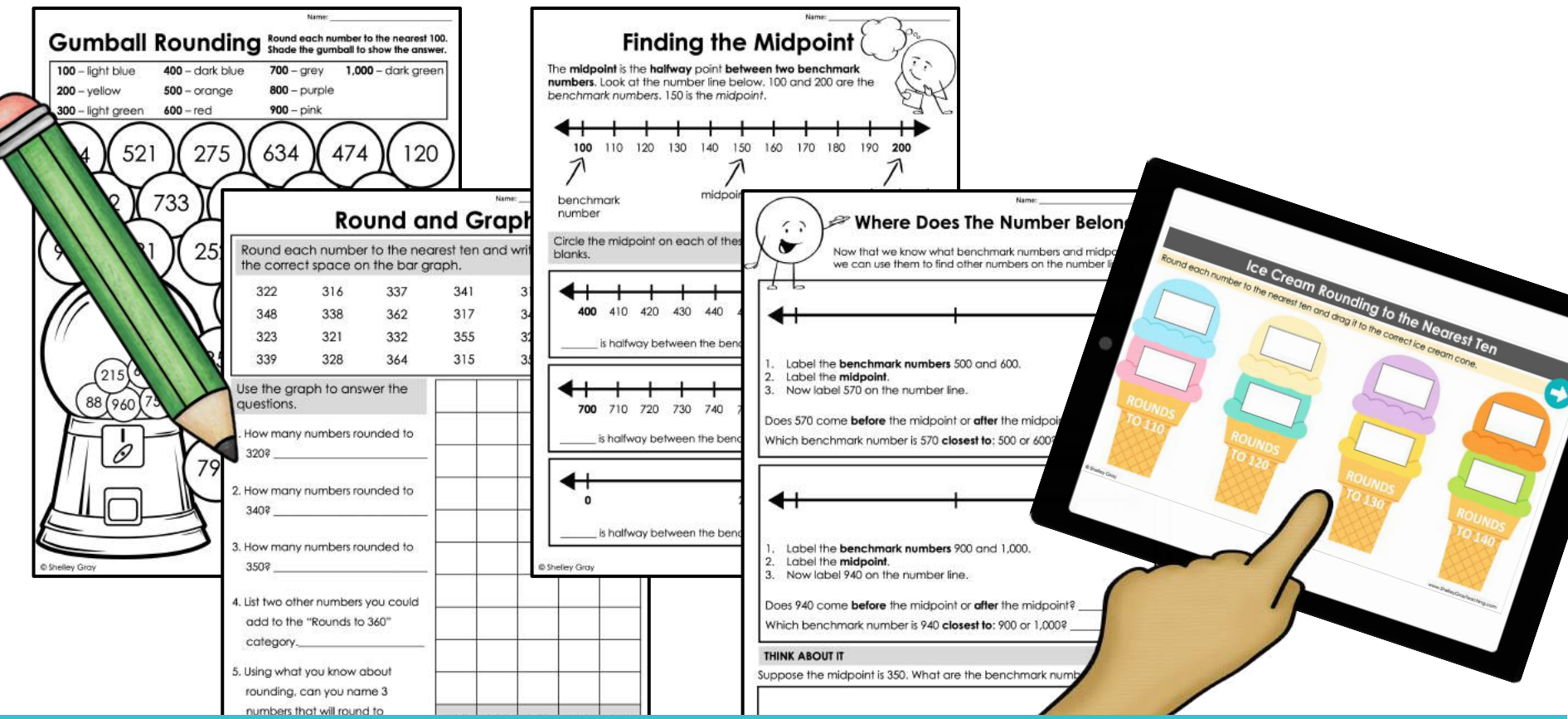
ROUNDING ON A NUMBER LINE

ROUNDING WITHIN 1,000 | NEAREST 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 Learning to Round section, students will learn about **benchmark numbers**, how to find **midpoints**, and how this can help them round to the **nearest hundred**.

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

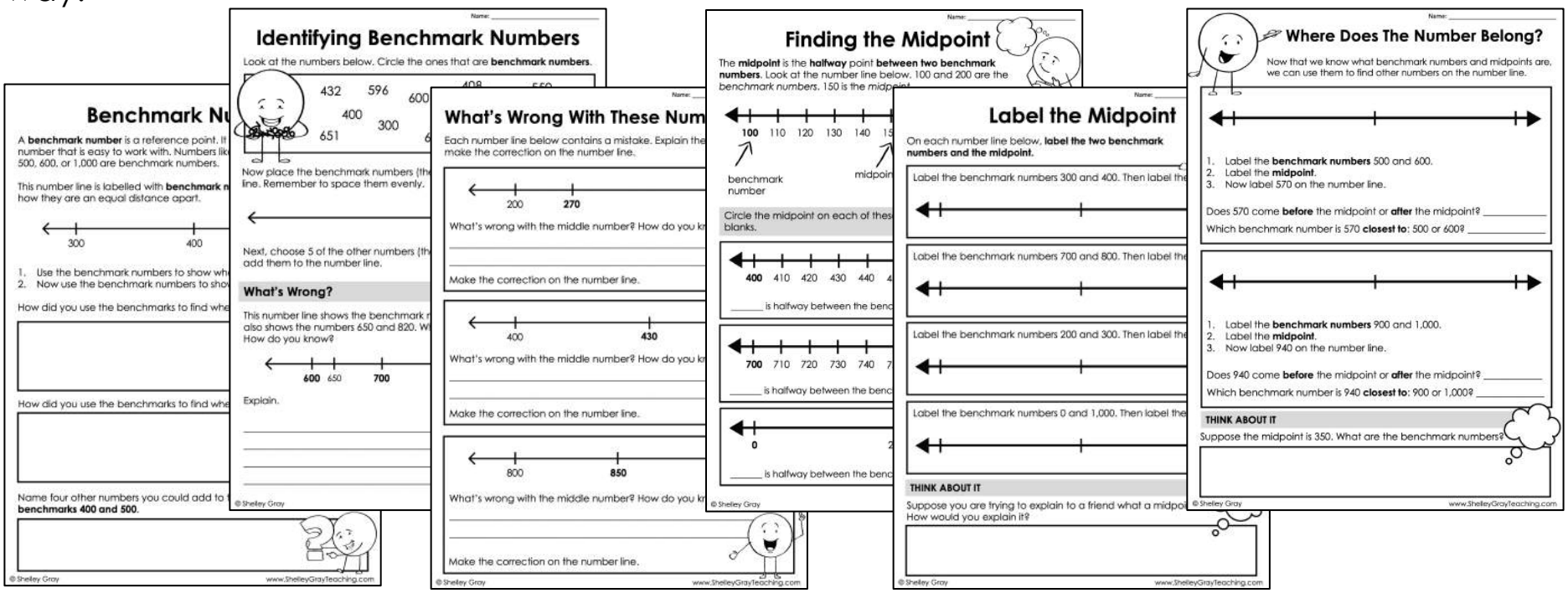
BONUS SECTION

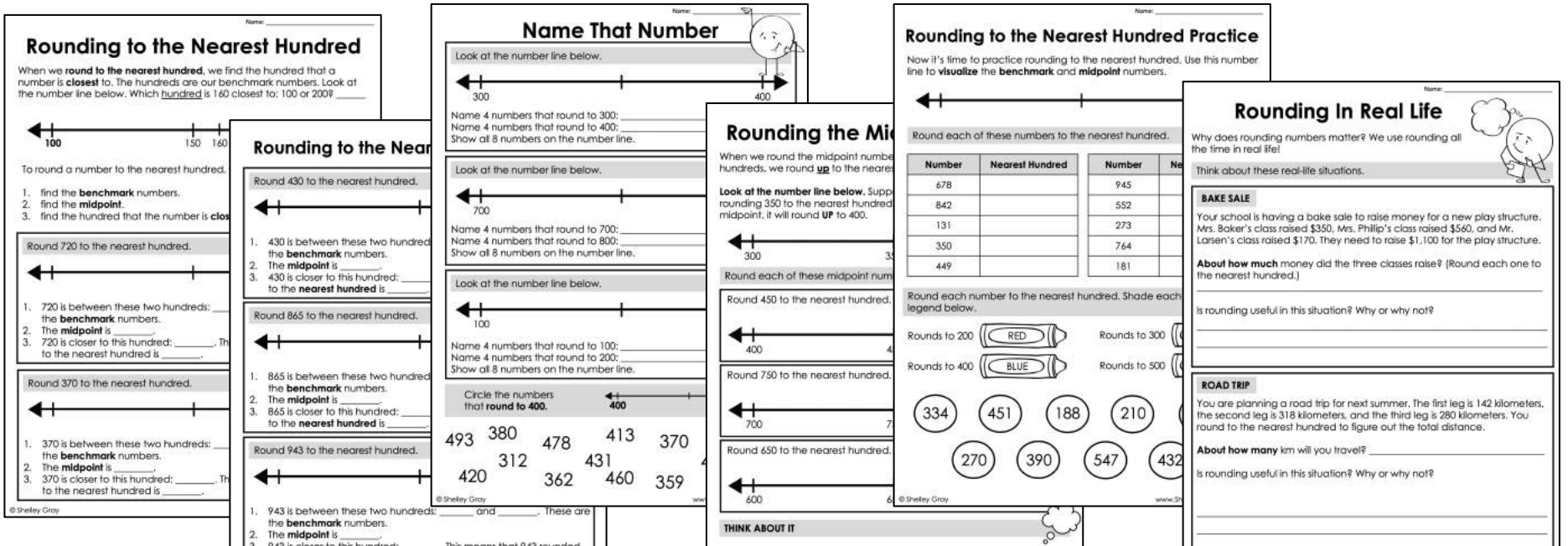
The focus of this resource is on rounding to the nearest hundred within 1,000. However, there is also a **BONUS SECTION** included for rounding to the nearest ten within 1,000.

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

the activities

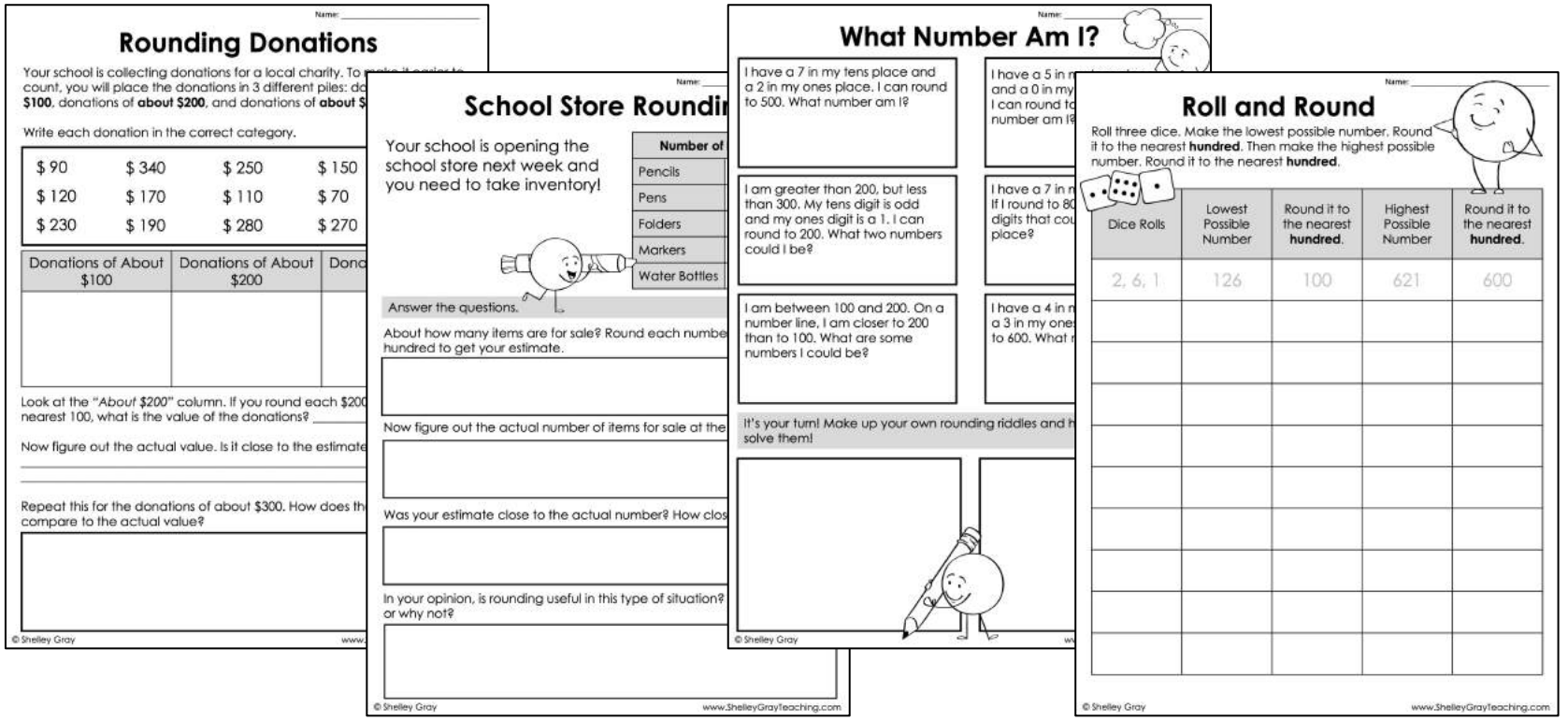
In the **Learning to Round** section, you will find a variety of activities that lead students through the process of rounding in a way that is easy to understand. Students begin by learning about benchmark numbers and midpoints. Then they will learn how to identify which hundred a number is closer to,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





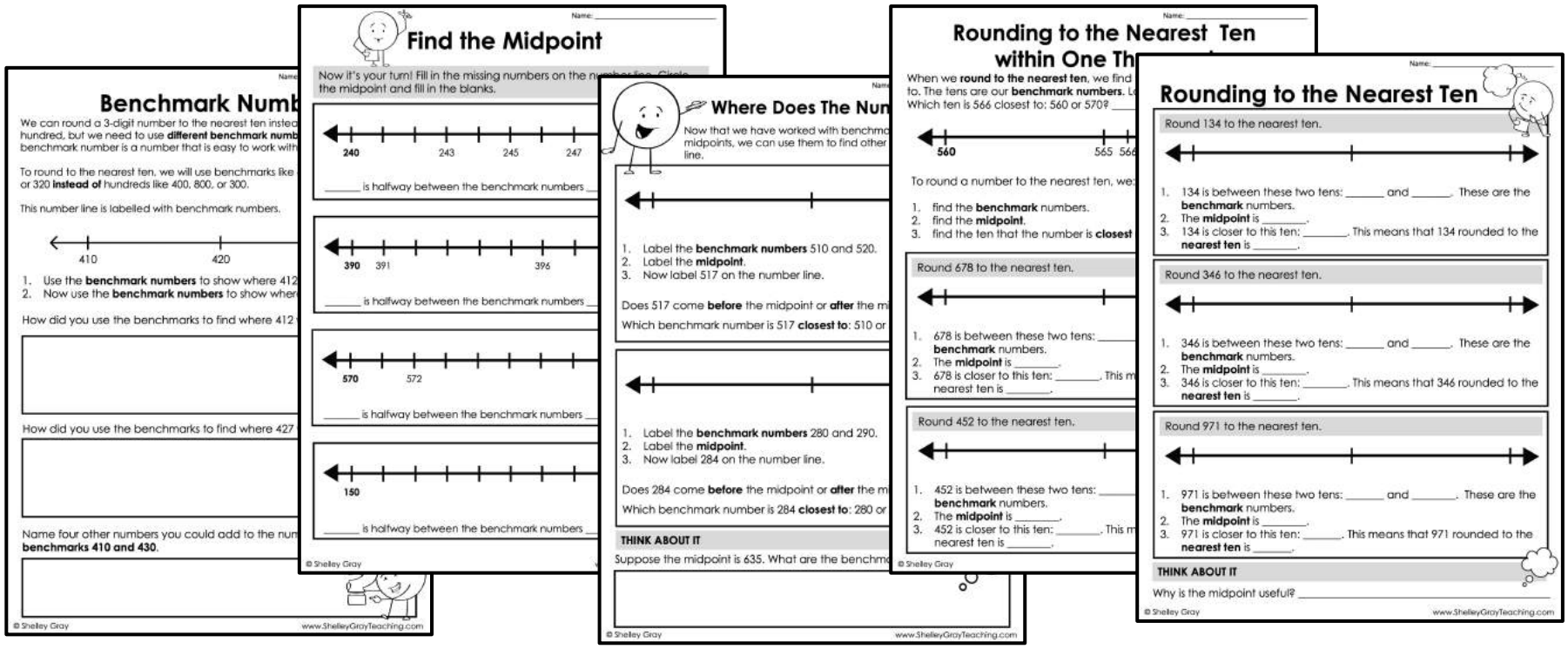
the activities

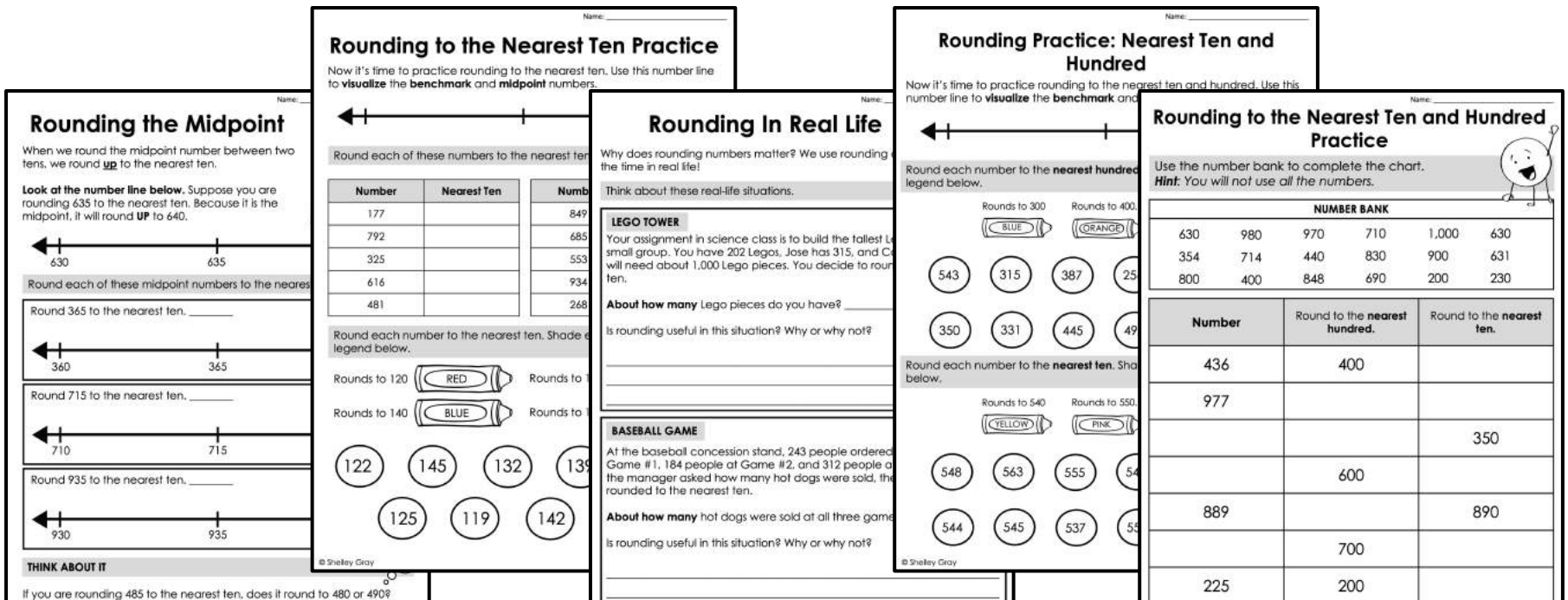
In the **Practice and Reinforcement** section, you will find a variety of activities that reinforce the concepts that students learned in the first section. These are sure to keep students engaged while practicing rounding.



the activities

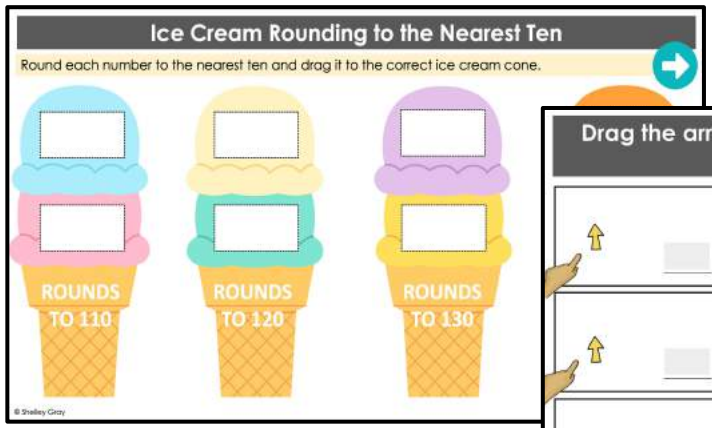
In the **BONUS** section, you will find a variety of activities to teach and reinforce rounding to the **nearest ten** within 1,000. Students will also work with rounding numbers to the nearest hundred **AND** ten.

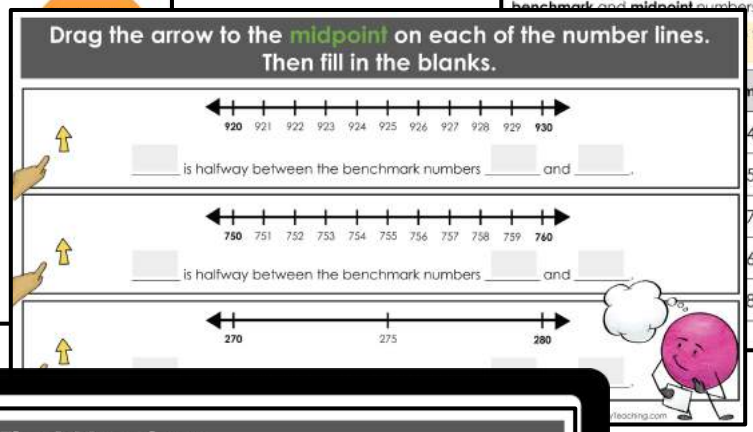


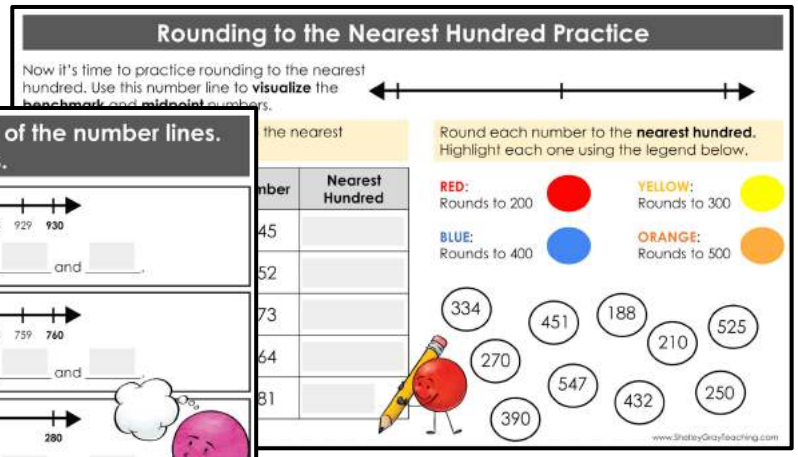


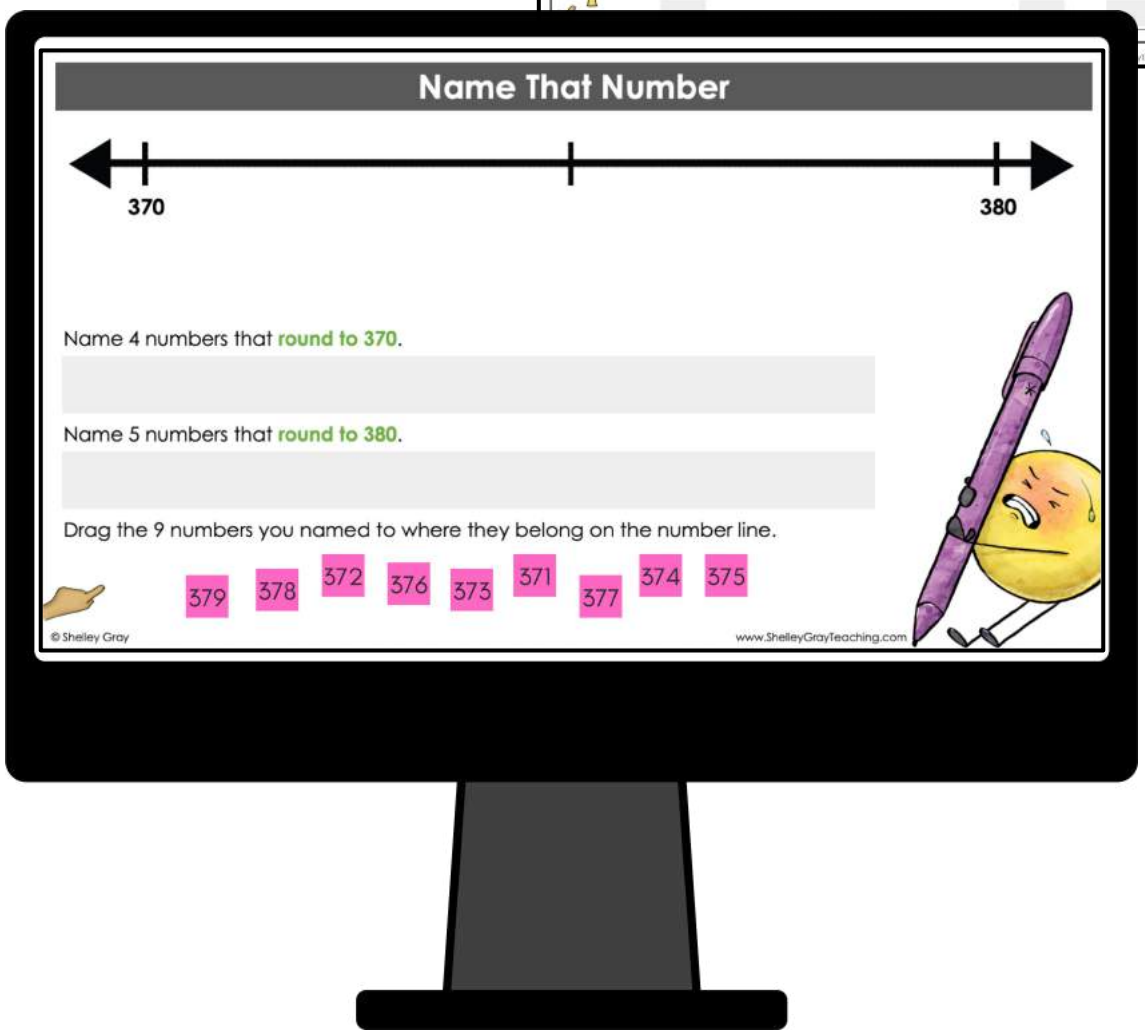
digital version

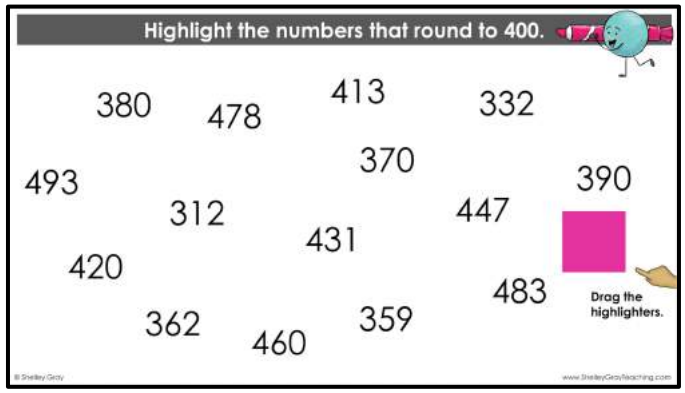
This resource is also provided to you in a **digital format**! This is not simply a copy of the PDF with text boxes inserted – rather, this is a version that is **optimized for digital use** with color images and moveable pieces. This digital version is provided in Google Slides™ format.

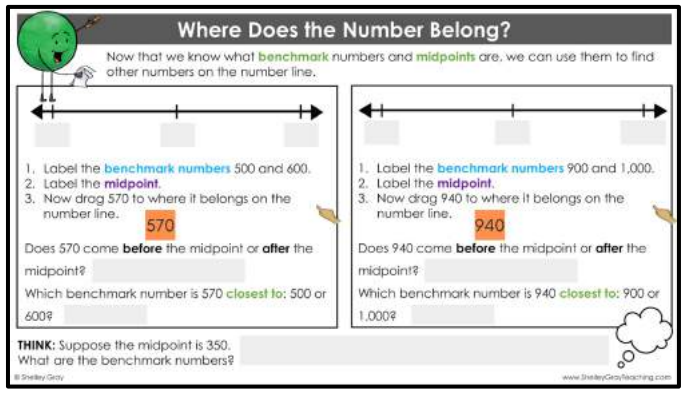












I can't wait to hear your success stories as you teach rounding in a **conceptual way** that allows students to truly build **deep understanding**!

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 CRA Model as a basis.