

Number Sense Booklets: Quick Start Guide

Welcome to the Number Sense portion of

Building Expertise in Math: Foundational Routines.

This Quick Start Guide will help you get a sense of how this routine works, as well as point you to the numerous supports available to help you.

Overview

The Number Sense Routine has 6 levels and aligns with the BC Curriculum (Grades K-5).

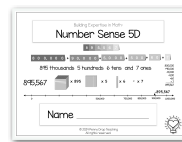
Students work independently at their "just right" level with simple instructions, consistent formatting, and self-guiding icons. This ensures gradual skill development and mastery.

Key Goals of the Routine:

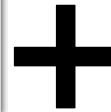
- 💡 Build confidence and independence in math.
- 💡 Develop deep and lasting number sense through regular practice.
- 💡 Provide ongoing formative feedback for immediate growth.

Skills and Concepts: the booklets cover the following:

- 💡 Reading, writing, and saying numbers.
- 💡 Ordering numbers.
- 💡 Identifying digit values
- 💡 Expanded form.
- 💡 Counting on and counting back.
- 💡 Giving real-life examples.
- 💡 Using number paths and number lines.
- 💡 Creating equations.
- 💡 Drawing to represent or show the value of a number.



Just-right
materials



Immediate
Formative
Feedback



Independent
Confident
Learners

How to Choose Levels

- 💡 Select levels for your students based on the numbers a student can confidently work with.
- 💡 Skills repeat across levels to build mastery.
- 💡 Avoid placing students above grade level to ensure depth of understanding.

Daily Routine

- 💡 **Short Daily Sessions:** Students complete one page daily (no more).
- 💡 **Immediate Formative Feedback:** Teachers review work with students in **daily conversations** which reinforce success and address misconceptions. These conversations also build confidence and foster an excitement for learning,
- 💡 Teachers can use the formative feedback to guide **math talks** and interventions.

Teaching Tips

- 💡 Encourage students to use hands-on materials which complement booklets.
- 💡 Encourage a growth mindset and maintain regular checkins.
- 💡 Use feedback sessions to identify class-wide learning needs and plan group lessons.

