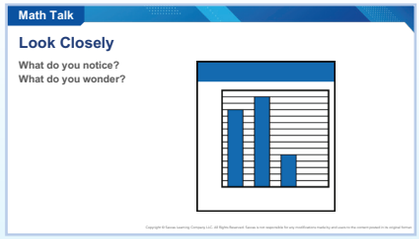
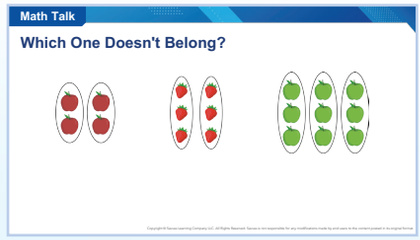
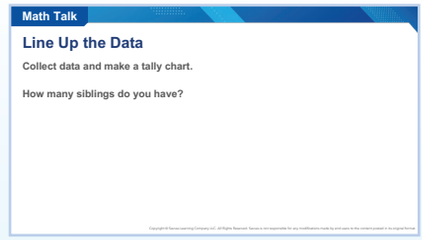
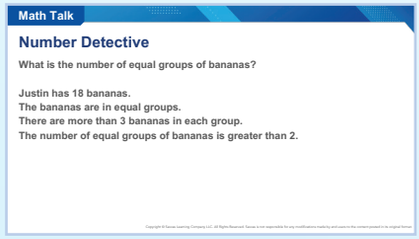
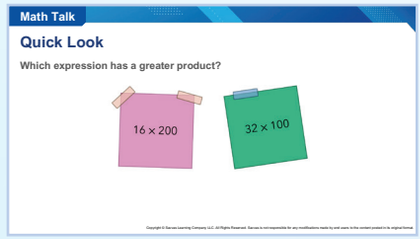
Math Talks

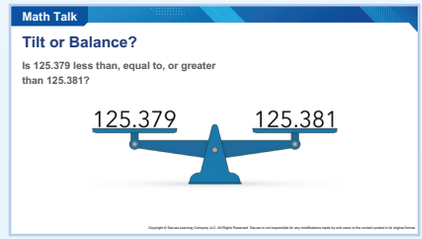


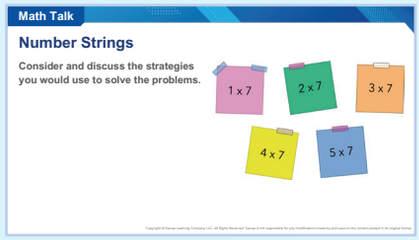


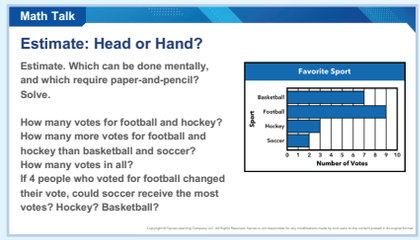


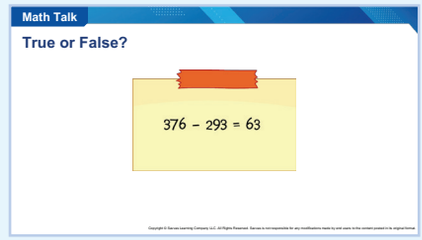












Implementing a Math Talk

A Math Talk is a 5 to 10 minute, whole-class activity.

- **Present a problem** to the whole class that can be solve mentally in a few minutes.
- **Have students work independently** on the problem for a brief time.
- **Have students share their methods** aloud and compare methods so that they can refine their own approaches, possibly noting and analyzing any error they may have made. These whole-class conversations increase students' capacity for collaborative, interpretive, and productive communication.
- **Use the Math Talk any time** before, with, or after the lesson.

Math Talk Routines

Each Math Talk uses one of the following routines.

- **Look Closely** asks What do you notice? What do you wonder? Sometimes Look Closely features a slow reveal graph. (Grades K–5)
- **Number Detective** provides clues to finding a mystery number. (Grades K–5)
- **Number Strings** are sets of related math problems designed to teach strategies based on number relationships. (Grades K–5)
- **Convince Me** helps students explain their thinking and formulate arguments. (Grades K–5)
- **Which One Doesn't Belong?** has multiple answers. Students learn to compare and contrast various attributes of numbers and shapes. (Grades K–5)
- **Quick Look** reinforces estimation skills. (Grades K–5)
- **Estimate: Head or Hand?** reinforces choosing efficient strategies: mental math or paper and pencil. (Grades 3–5)
- **Line Up the Data** reinforces data literacy. (Grades 3–5)
- **Tilt or Balance?** reinforces concepts of equality. (Grades 3–5)
- **True of False?** reinforces reasoning. (Grades 3–5)
- **Let's Count** reinforces number skills and concepts. (Grades K–2)
- **What's the Pattern?** features numerical and geometric patterns. (Grades K–2)
- **Same But Different** asks What is the same?What is Different? (Grades K–2)