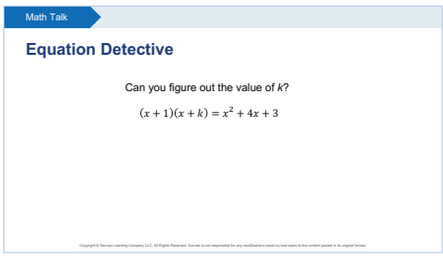
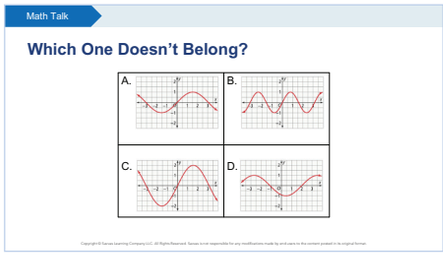
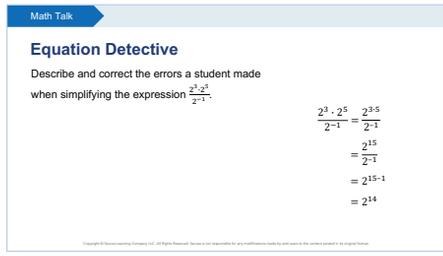
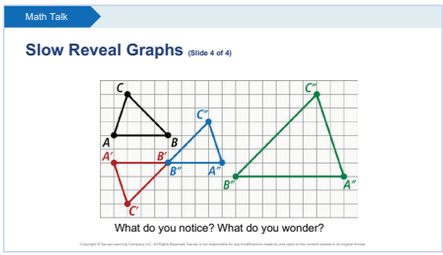
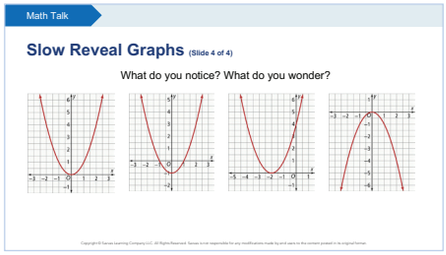
# MATH TALKS

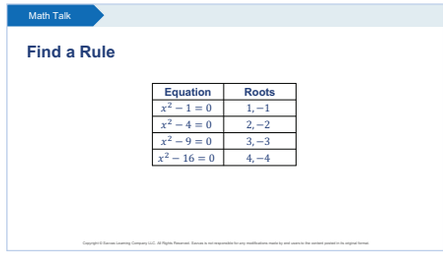


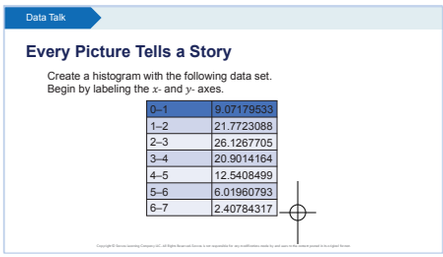



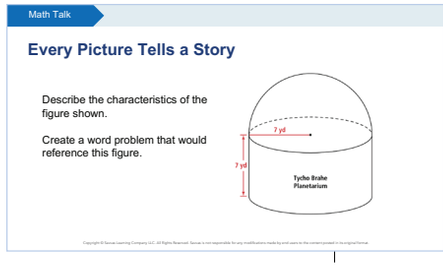




## Implementing a Math Talk

A Math Talk is a 5 to 10 minute, whole-class activity provided with every lesson.

- **Present a problem** to the whole class that can be solve mentally in a few minutes. Each problem is on a slide that is pictured in the Teacher's Edition.
- **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.

- **Which One Doesn't Belong?** has multiple answers. Students learn to compare and contrast various attributes of objects, numbers, figures, graphs, etc.
- **Slow Reveal Graph** adds information to a number line, graph, or data display, students refine their interpretations.
- **Equation Detective** evaluate the validity of worked examples or find a mistake, and justify their findings.
- **Find a Rule** reinforces interpretation and inductive reasoning where students make conjectures on a rule that describes a set of numbers or categories.
- **Every Picture Tells a Story** asks students to analyze and make sense of graphs or data displays, connecting mathematics with real-life scenarios.