

Collaborative Team Task: Mathematical Practice 4

Modeling in mathematics is very much related to the concept of *multiple representations*, as well as students' ability to interpret visual and verbal presentations symbolically. Being equipped to guide students to develop or expose students to multiple representations is particularly important for diverse primary-grade classrooms in which different students will certainly have different learning strengths, background knowledge, and learning styles. Multiple representations, such as text, numerical representations, pictorial representations, concrete representations, and so on, provide powerful opportunities for students to develop conceptual understanding—particularly in grades preK–2.

Your collaborative team should select a mathematical concept, particularly one that students often struggle with, and discuss the mathematical concept in regards to its multiple representations and the benefit that each representation might afford learners. The following chart might be used to record your team's discussion to share with others.

Mathematical concept:			
Text Representation	Numerical Representation	Pictorial Representation	Concrete Representation