

4th Grade Mathematics Student Profile

By June, in Math, fourth grade students should be able to use what they know about place value patterns and relationships that are repeated in large and small numbers and understand the decimal number system to the hundredths place. They should also understand that place value patterns and relationships form the foundation for the use of efficient algorithms such as a focus algorithm like partial-products.

4th grade students should also be able to use different models and representations to compare fractional parts. They should also be able to formulate, represent, and use a variety of algorithms to compute with flexibility, accuracy, and efficiency. They are comfortable with solving problems in various ways depending on what the situation calls for.

In addition, fourth graders should understand number patterns and relationships that can be represented by symbols. They should be able to interpret data from visual representations, as well as create various ways to visually represent data. Students should choose appropriate measurement tools, units, and systems to measure different attributes of objects and time. They should also be able to describe and analyze two- and three-dimensional geometric figures based on their attributes.

