

MATHEMATICALLY READY FOR SIXTH GRADE

This form lists the skills your child should have already mastered, and the skills your child may want to be familiar with, going into sixth grade. This is an opportunity to “jumpstart” these skills this summer, before entering Middle School. We highly recommend the IXL program, which can be accessed through computers and iPads, to assist your child in mastering these skills. IXL is a research-based, user-friendly program to master mathematical skills, and is divided and organized by grade level.

At the end of fifth grade, your child was assessed on:

Computation:

- Add two four-digit numbers with carrying
- Subtract a three-digit number from a four-digit number, with borrowing
- Add or subtract two fractions with common denominators
- Add or subtract two mixed numbers with common denominators
- Divide a three-digit number by a one digit number, resulting in an answer with a remainder
- Multiply a one-digit number by a three-digit number with carrying
- Multiply a two-digit number by a three-digit number
- Divide a three-digit number by a two-digit number, without a remainder
- Divide a three-digit number by a two-digit number, resulting in a two-digit answer, with no remainder
- Divide a four-digit number by a two-digit number, resulting in a two-digit answer, with no remainder
- Add or subtract two fractions with unlike denominators
- Add or subtract two mixed numbers with unlike denominators

Concepts and Applications:

- Understand the place value system
- Graph points on the coordinate plane to solve real-world and mathematical problems
- Write and interpret numerical expressions
- Convert like measurement units within a given measurement system
- Use equivalent fractions as a strategy to add and subtract fractions
- Analyze patterns and relationships
- Geometric Measurement: Understand concepts of volume and relate volume to multiplication and to addition
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions
- Perform operations with multi-digit whole numbers and with decimals and hundredths

Entering into sixth grade, your child may want to be familiar with the following skills:

- Add two decimals to the tenth place, without carrying
- Subtract two decimals to the hundredth place, without borrowing
- Multiply a two-digit number by a three-digit number
- Divide a four-digit number by a two-digit number, resulting in no remainder
- Add or subtract two mixed numbers with unlike denominators
- Add two decimals to the hundredth place, with carrying
- Subtract two decimals with both decimals to the hundredth place, with borrowing
- Multiply two decimals to the tenth place, without renaming
- Divide a four-digit number by a two-digit number, resulting in no remainder
- Multiply a decimal to the tenth place with a decimal to the hundredth place
- Divide a decimal to the hundredth place by a decimal to the tenth place, without a remainder
- Subtract two decimals with both decimals to the hundredth place, with borrowing
- Divide a decimal to the hundredth place by a decimal to the tenth place, resulting in no remainder