

## 6th Grade Math

### Power Standards and Reporting Rubric

**Standard 1: Students will use multiplication and division to solve problems involving rates, ratios and proportion type problems.**

Advanced(AD)	Proficient(PR)goal	Developing(DE)	Beginning(BE)
Student justifies, uses, and applies appropriate numbers and operations to write and solve complex problems.	Student consistently uses and applies appropriate numbers and operations to write and solve problems.	Student uses and applies appropriate numbers and operations to write and solve problems.	Student applies rules to different types of numbers to solve basic problems.

**Standard 2: Students will use a variety of formulas to calculate area and perimeter of different polygons.**

Advanced(AD)	Proficient(PR)goal	Developing(DE)	Beginning(BE)
Student demonstrates a complex understanding of geometric concepts to solve problems.	Student uses and applies geometric concepts to solve problems with any figure.	Student uses and applies geometric concepts to solve problems with basic figures.	Student demonstrates an understanding of basic geometric concepts.

**Standard 3: Students will multiply, divide, add and subtract mixed numbers, fractions, whole numbers and decimals.**

Advanced(AD)	Proficient(PR)goal	Developing(DE)	Beginning(BE)
Student demonstrates the ability to consistently solve complex multi-digit problems using all four operations.	Student demonstrates the ability to solve complex multi-digit problems using all four operations.	Student uses all four operations in solving multi-digit problems.	Student uses the four operations in solving a variety of problems.

**Standard 4: Students will write and evaluate algebraic expressions and equations.**

Advanced(AD)	Proficient(PR)goal	Developing(DE)	Beginning(BE)
Student demonstrate a complex understanding of algebraic problems.	Student consistently solves and represents multi-step algebraic problems.	Student solves and represents algebraic problems.	Student solves basic algebraic problems and understands concepts of variables.

**Standard 5: Students will analyze statistics to describe data, (mean, median, mode & range).**

Advanced(AD)	Proficient(PR)goal	Developing(DE)	Beginning(BE)
Student can interpret, create, and predict future values.	Student analyzes and creates statistical and probability values.	Student interprets statistical and probability values.	Student computes statistical and probability values.