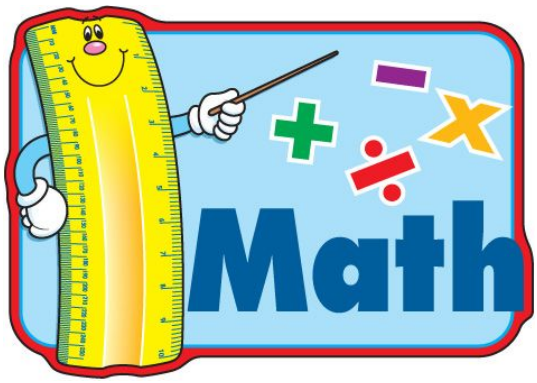
5th Grade
Power Standards



Power Standard 1

- ❑ I can think of multiplication as the scaling of a number (similar to a scale on a map). (5.NF.5)
- ❑ I can mentally compare the size of a product to the size of one of the factors by thinking about the other factor in the problem. (5.NF.5a)
- ❑ I can explain why multiplying a number by a fraction greater than 1 will result in a bigger number than the number I started with. (5.NF.5b)
- ❑ I can explain why multiplying a number by a fraction less than 1 will result in a smaller number than the number I started with. (5.NF.5b)
- ❑ I can relate the notion of equivalent fractions to the effect of multiplying a fraction by 1. (5.NF.5b)

Power Standard 2

- ❑ I can add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions with like denominators. (5.NF.1)

Power Standard 3

- ❑ I can read, write, and compare decimals to thousandths. (5.NBT.3a pt 1)
- ❑ I can read and write decimals to the thousandths using base-ten numbers, number names, and expanded form. For example, 347.392 = 3 × 100 + 4 × 10 + 7 × 1 + 3 × (1/10) + 9 × (1/100) + 2 × (1/1000). (5.NBT.3a pt 1)

Power Standard 4

- ❑ I can compare two decimals to thousandths using the >, =, and < symbols. (5.NBT.3a pt 2)

Power Standard 5

- ❏ I can recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left. (5.NBT.1)

Power Standard 6

- ❏ I can easily multiply multi-digit whole numbers using the standard algorithm. (5.NBT.5)

Power Standard 7

- ❏ I can divide four-digit numbers (dividends) by two-digit numbers (divisors). (5.NBT.6)
- ❏ I can illustrate and explain a division problem using equations, arrays, and/or models. (5.NBT.6)

Power Standard 8

- ❏ I can add and subtract decimals to hundredths using what I have learned about place value. (5.NBT.7 pt 1)
- ❏ I can relate the strategies I use to add, subtract, multiply, and divide decimals to hundredths to a written problem and explain why I chose the strategies to help me solve the problem. (5.NBT.7 pt 1)

Power Standard 9

- ❏ I can multiply and divide decimals to hundredths using what I have learned about place value. (5.NBT.7 pt 2)
- ❏ I can relate the strategies I use to add, subtract, multiply, and divide decimals to hundredths to a written problem and explain why I chose the strategies to help me solve the problem. (5.NBT.7 pt 2)

Power Standard 10

- ❏ I can use what I know about division to divide fractions by whole numbers and whole numbers by fractions. (5.NF.7ac pt 1)
- ❏ I can divide a fraction by a whole number (not 0) correctly. (5.NF.7a)
- ❏ I can use what I know about division problems involving fractions to solve real world problems. (5.NF.7c)

Power Standard 11

- ❏ I can divide a whole number by a fraction correctly. (5.NF.7b pt 2)

Power Standard 12

- ❏ I can use what I know about multiplication to multiply fractions or whole numbers by a fraction. (5.NF.4)
- ❏ I can understand and show with models that multiplying a fraction by a whole number is the same as finding the product of the numerator and whole number and then dividing it by the denominator. (5.NF.4a)
- ❏ I can use unit square to find the area of a rectangle with fractional side lengths and prove that it is the same as multiplying the side lengths (A = l x w). (5.NF.4b)

Power Standard 13

- ❏ I can solve real-world problems involving volume by using the operations of multiplication and addition. (5.MD.5ab pt 1)
- ❏ I can use unit cubes to find the volume of a right rectangular prism with whole number side lengths and prove that it is the same as multiplying the edge lengths (v = l x w x h). (5.MD.5a)
- ❏ I can solve real-world and mathematical problems involving volume of an object using the formulas v = l x w x h and v = b x h. (5.MD.5b)

Power Standard 14

- ❏ I can find the volumes of solid figures made up of two right rectangular prisms by adding the volumes of both. (5.MD.5c pt 2)
- ❏ I can solve real-world problems using what I know about adding volumes of two right rectangular prisms. (5.MD.5c pt 2)

Power Standard 15

- ❏ I can compose and understand the coordinate plane graph.
- ❏ a. I can identify the axis and coordinates on a plane graph and a given point in the plane located by using an ordered pair of numbers, called its coordinates.
- ❏ b. I can understand in quadrant one on the coordinate plane, the first number in a coordinate pair indicates how far to travel from the origin in the direction of the horizontal axis, and the second number indicates how far to travel in the direction of the vertical axis, with the convention that the names of the two axes and the coordinates correspond (x-axis and x-coordinate, y-axis and y-coordinate) .(5.G.5)