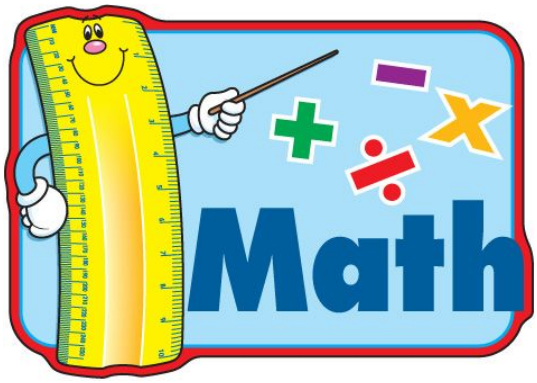
5th Grade
Power Standards



Power Standard 1

- ❏ I can read write decimals to the thousandths using base-ten numbers, number names, and expanded form. (5.NBT.3a)
- ❏ I compare two decimals to thousandths using the >, =, and < symbols correctly. (5.NBT.3b)

Power Standard 2

- ❏ 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 3

- ❏ I can add, subtract, multiply, and divide decimals to hundredths using what I have learned about place value. (5.NBT.7)
- ❏ 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)

Power Standard 4

- ❏ 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 5

- ❏ 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 = 1 x w). (5.NF.4b)

Power Standard 6

- ❑ 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 7

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

Power Standard 8

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