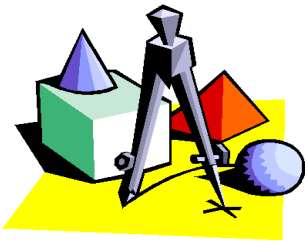
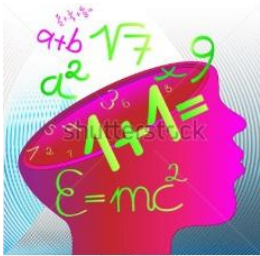

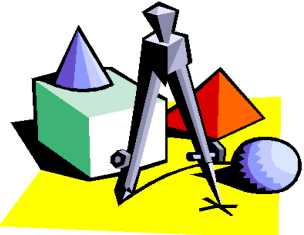
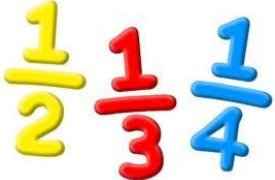


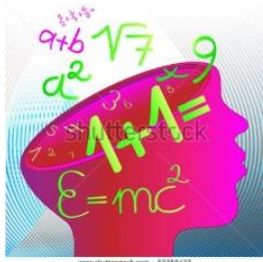

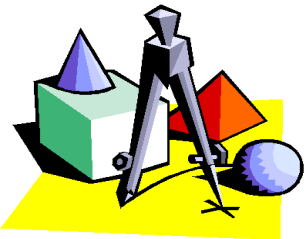
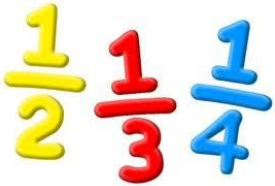
WHAT STUDENTS NEED TO KNOW AND BE ABLE TO DO IN 5TH GRADE

| Operations & Algebraic Thinking | Number & Operations in Base Ten | Measurement and Data |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>I can use the order of operations with whole numbers.</p> <p>I can read, write, and interpret expressions.</p> | <p>I can understand that each place value is 10 times larger to the place on its right and the inverse also applies.</p> <p>I can write any number in expanded notation or by using powers of 10.</p> <p>I can fluently multiply multi-digit whole numbers.</p> <p>I can divide with a two-digit divisor using various strategies.</p> | <p>I can recognize one cubic unit of volume.</p> <p>I can understand that volume is measured using cubic units to completely fill a solid figure.</p> <p>I can measure volume by filling an object with unit cubes of various sizes and counting them.</p> <p>I can measure volume by filling it with unit cubes, counting them, and relating to volume formula.</p> <p>I can use formulas to find the volume of an object.</p> |
| Number and Operations - Fractions | Geometry | <p>I can find the volume of complex solid figures by finding the volumes of a box within the figure and adding the volumes together.</p> |
| <p>I can understand multiplication by comparing the sizes of the factors in related multiplication problems.</p> |  | |

WHAT STUDENTS NEED TO KNOW AND BE ABLE TO DO IN 5TH GRADE


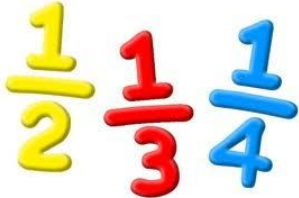
| Operations & Algebraic Thinking | Number & Operations in Base Ten | Measurement and Data |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | <p>I can write any decimal in expanded notation.</p> <p>I can read decimals to thousandths using standard, word, and expanded form.</p> <p>I can compare two decimals to thousandths place.</p> <p>I can round decimals to any place.</p> <p>I can add decimals to the hundredths using various strategies.</p> |  |
| Geometry | Number & Operations - Fractions | Numbers and Operations - Fractions |
|  | <p>I can subtract decimals to the hundredths using various strategies.</p> <p>I can multiply decimals to the hundredths using various strategies.</p> <p>I can divide decimals to the hundredths using various strategies.</p> |  |

WHAT STUDENTS NEED TO KNOW AND BE ABLE TO DO IN 5TH GRADE

| Operations & Algebraic Thinking | Numbers and Operations - Fractions | Measurement and Data |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | <p>I can add and subtract fractions with unlike denominators (including mixed numbers) and simplify my answers.</p> <p>I can find and use equivalent fractions.</p> <p>I can convert between improper fractions and mixed numbers.</p> <p>I can solve word problems using addition and subtraction of fractions with like and unlike denominators.</p> <p>I can explain a fraction as division of the numerator by the denominator.</p> <p>I can solve division of whole number word problems where the answer is a fraction or mixed number.</p> <p>I can multiply a fraction by a whole number using various strategies.</p> |  |
| Geometry | | Number & Operations in Base Ten |
|  | <p>I can use various strategies to find the area of a rectangle with fraction side lengths and represent the area with a fraction.</p> <p>I can understand when I multiply a number by a fraction the product will be smaller than the given number.</p> <p>I can understand when multiplying a number by a fraction greater than 1 the product will be greater than the given number.</p> <p>I can solve real world problems by multiplying fractions and mixed numbers.</p> <p>I can understand and apply dividing a unit fraction by a whole number.</p> <p>I can understand and apply dividing a whole number by a unit fraction.</p> <p>I can solve real world problems by dividing fractions and whole numbers.</p> |  |

WHAT STUDENTS NEED TO KNOW AND BE ABLE TO DO IN 5TH GRADE



| Operations & Algebraic Thinking | Geometry | Number & Operations in Base Ten |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p>I can use given rules to generate numerical patterns, for ordered pairs, and graph the ordered pairs on a coordinate plane.</p> | <p>I can find a point using positive ordered pairs.</p> <p>I can solve real world problems by graphing positive ordered pairs.</p> <p>I can identify and categorize similarities between 2-dimensional objects.</p> <p>I can name 2-dimensional figures based on properties.</p> |  |
| Measurement and Data | | Number & Operations - Fractions |
| <p>I can convert measurement units within a measurement system.</p> <p>I can make and use a line plot with fractions.</p> | |  |