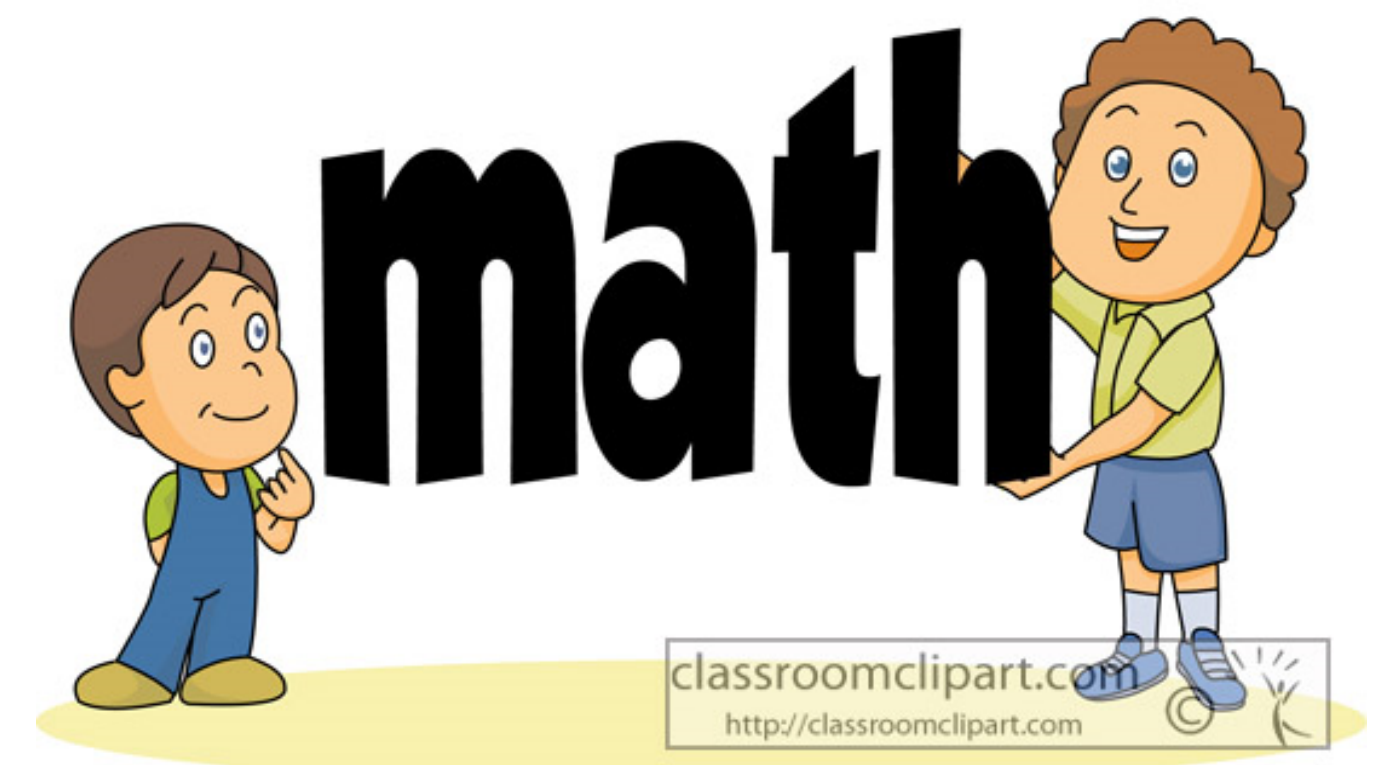


# Standards for Mathematical Practices



## 1. Make sense of problems and persevere in solving them.

- *When presented with a problem, I can make a plan, carry out my plan, and evaluate its success.*
- *When presented with a problem, I persist in trying to solve it.*

## 2. Reason abstractly and quantitatively.

- *I can use reasoning to help me decontextualize (take numbers out of context and work mathematically with them)*
- *I can take the mathematics I've done with the numbers and understand them in the original context.*

## 3. Construct viable arguments and critique the reasoning of others.

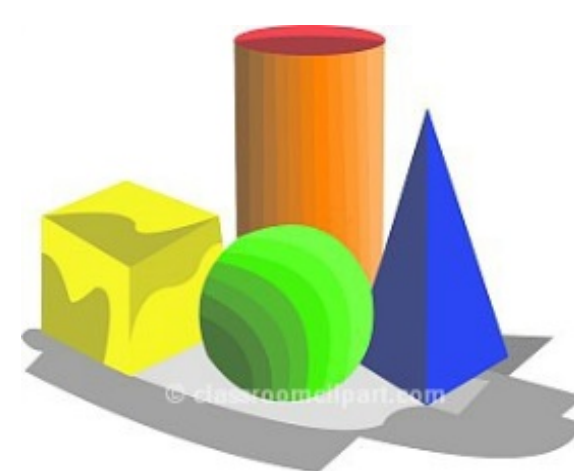
- *I can make conjectures.*
- *I can construct and communicate mathematical arguments.*
- *I can critique the mathematical arguments of others.*



## 4. Model with mathematics.

- *I can recognize math in everyday life and use math I know to solve real world problems.*

## 5. Use appropriate tools strategically.



- *I know when to use certain tools (such as graphing calculators, graph paper, etc.) to help me explore and deepen my math understanding.*

## 6. Attend to precision.

- *I can be precise when solving problems, when thinking about my processes, and communicating my ideas.*

## 7. Look for and make use of structure.

- *I strive to see and understand patterns and relationships.*
- *I look for parts of expressions that reveal properties of the expression.*

## 8. Look for and express regularity in repeated reasoning.

- *I notice when I am repeating calculations, and use this to find more efficient methods.*
- *I pause when solving a problem and look for ideas that I can generalize.*

