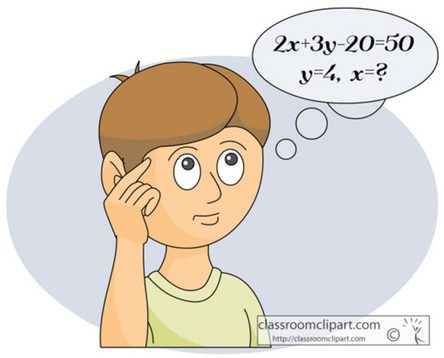
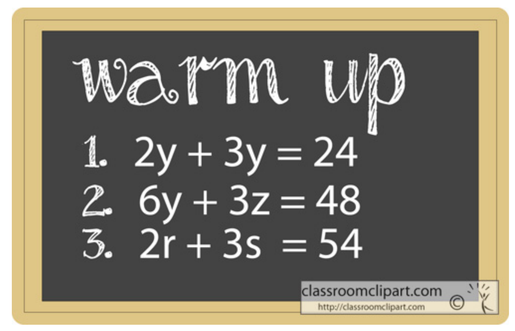


Standards for Mathematical Practices



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.*