



MATHEMATICAL PRACTICES

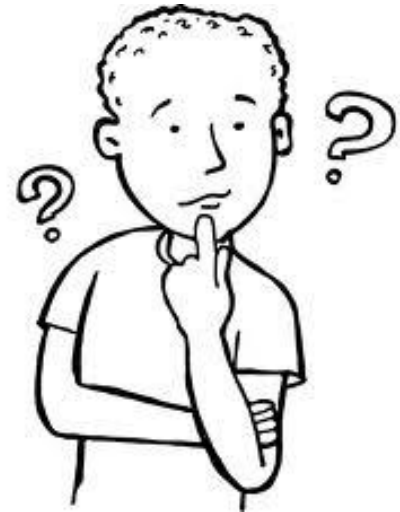
**Develop and use these
important skills to help
you be successful in
math and in life!**

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

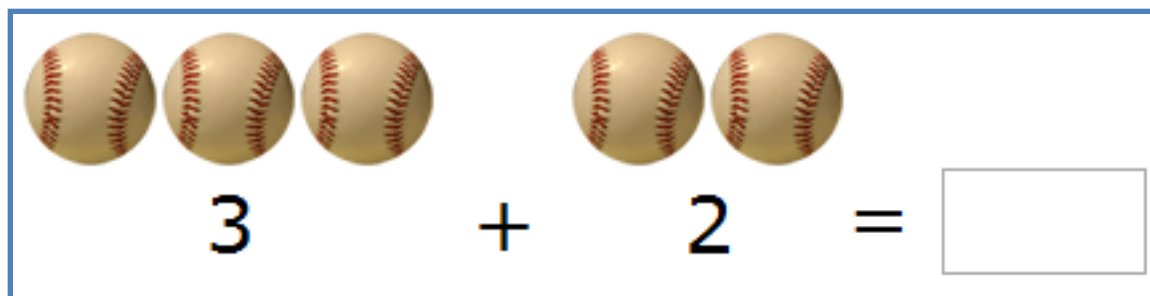


I am learning to:

- Make sense of problems
- Make a plan for solving problems
- Try different strategies, even when a problem is hard
- Solve a problem in more than one way
- Check whether a solution makes sense
- Find connections between mathematical ideas



2. Reason abstractly and quantitatively.



I am learning to:

- Represent problem situations with objects, pictures, numbers, words, and symbols
- Explain to others the meanings of objects, pictures, numbers, words, and symbols

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



I am learning to:

- Explain both what to do and why it works
- Make sense of others' mathematical thinking

4. Model with mathematics.



I am learning to:

- Solve real-world problems using mathematics
- Use models such as graphs, drawings, tables, symbols, and diagrams to solve problems

5. Use appropriate tools strategically.



I am learning to:

- Choose appropriate tools to solve problems
- Use mathematical tools correctly and efficiently
- Estimate an answer before using a tool

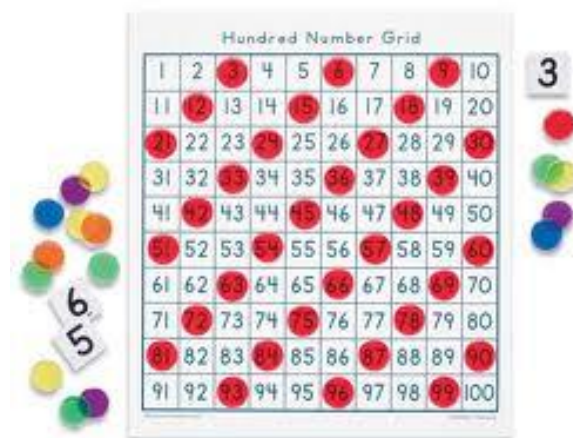
6. Attend to precision.



I am learning to:

- Clearly communicate my thinking to others
 - *Speak, Read, Write, and Listen* mathematically
- Decide whether an estimate or exact answer is needed
- Be accurate when I count, measure, and compute

7. Look for and make use of structure.



I am learning to:

- Notice, continue, and create patterns
- Use patterns to solve problems

8. Look for and express regularity in repeated reasoning.



A number line diagram illustrating the commutative property of addition. It shows two equations: $3 + 2 = 5$ and $2 + 3 = 5$. Above the numbers, red dots are placed to represent the values: three dots above 3, two dots above 2, and five dots above 5 in both equations. The equations are separated by an equals sign, and the two equations are also separated by an equals sign.

I am learning to:

- Use patterns to create and explain rules and shortcuts
- Use rules and properties of number to more easily solve problems
- Reflect on my thinking before, during, and after solving a problem