

Standard Mathematical Processes (SMP)

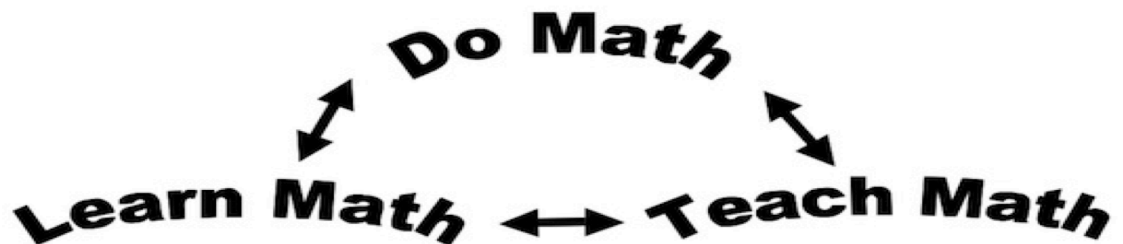
1 - Perseverance and Making Sense of Problems.....

What is this?

- ✓ Children can verbally explain to an adult or another individual their ways to solve a math problem. Helping each other and sharing your thinking so BIG problems become non-issues and perseverance becomes a routine.

Why?

- ✓ It helps to develop a conversation between students and adults to ensure that there is a clear understanding of the *how* and *why* used in finding a solution to the problem.
- ✓ It is often said that You never truly understand something until you can teach it to someone else. This saying goes both ways – adults to students and students to adults.



Examples: Student: "I know $5+3=8$ because I know that's the answer".

Adult: "How do you know?"

Student: "I can take 5 marbles in this hand and 3 marbles in my other hand. If I put them all together in your hand it makes 8!!"

Parent: "So if I give you 5 pennies for your bank and dad gives you 3 pennies for your bank. Will you have 8 pennies?"

Student: "Yes, because I have 5 pennies in my hand from you and 3 pennies from dad and when I count them I see 8 pennies!!"