

# Eight research-based essential mathematics practices in student friendly language

*National Council of Teachers of Mathematics NCTM - Standards for Mathematical Practice (2014)*

I try many times  
to understand and  
solve a math problem.

I think about a  
math problem in  
my head first.

I use what  
I already know  
about math to solve  
math problems.

I use math  
symbols and  
numbers to solve  
math problems.

I check to see  
if my strategy and  
calculations are  
correct.

I use math tools,  
pictures, drawings  
and objects to solve  
math problems.

I use a strategy I've  
already used to solve  
another math  
problem.

I make a plan, called a  
strategy, to solve a math  
problem and discuss other  
learners' strategies too.

