

PROBLEM SOLVING STEPS

Inspired by Student Achievement Division of Ontario Schools and McGraw-Hill. Produced by Natasha Hutchins at www.prodivame.com

GUIDING QUESTIONS TO

Understand the Mathematical Task and its Context

What Math am I investigating?

What information am I going to use to solve this problem?

What is the goal of the procedure?

What sort of answer(s) should I expect?

How can I predict or estimate the outcome?

What questions would be useful to ask?

What does _____ mean?

Establish Connections and Activate Prior Knowledge

What other problem have I solved that is similar to this one?

What does this make me think of?

What other Math can I connect with this?

When do I use this Math at home? At school? In other places?

Where do I see ____ at school? At home? Outside?

What do these ____ have in common? What is unique about each of them?

How is this like something I have done before?