

Arithmetic Templates and Routine Problem Solving

It is likely that you do not “appreciate” word problems. Why not?

Perhaps the answer to this question has to do with how and what you were taught when in elementary school.

It is likely that you were taught to do arithmetic with little attention paid to what an arithmetic operation actually means and how it is related to real world events.

The following readings take you on a journey that may cause you some mental anguish. That is okay - undoing old learning typically involves mental anguish of some sort. The readings will hopefully undo what you learned long ago and bring light on a way to bring success to students in relation to word problems that are intended to reflect real world situations.

Examine and think about the readings in the order listed here.

[Routine and non-routine problem solving](#)

[Issues of and research on routine problem solving](#)

[The meanings of the arithmetic operations](#)

[Using arithmetic operation meanings to solve routine problems](#)