

Fluency in Mathematics

Wherever the word fluently appears in a content standard, the meaning denotes efficiency, accuracy, flexibility and appropriateness. Being fluent means students flexibly choose among methods and strategies to solve contextual and mathematical problems, understand and explain their approaches and produce accurate answers efficiently.

Efficiency - carries out easily, keeps track of sub-problems and makes use of intermediate results to solve the problem.

Accuracy - produces the correct answer reliably.

Flexibility - knows more than one approach, chooses a viable strategy and uses one method to solve and another method to double check.

Appropriately - knows when to apply a particular procedure.

