

Mathematics Was About	Math Instruction Is About Today
Speed and recall of facts and steps	Efficiency and flexible but deep thinking
Working individually	Working collaboratively
Acquiring and using a procedure someone shows you (teacher or textbook)	Developing one's own understanding while also learning about how to use common procedures
Calculations	Concepts, procedures, and applications of concepts and procedures combined
Learning basic skills	Thinking deeply about mathematical concepts and relationships
Using one specific procedure	Selecting from a set of strategies or developing one's own strategy for solving a problem
Finding an exact answer	Finding an answer and explaining your thinking
Separating those who can do mathematics from those who cannot do it well	Providing access and opportunity for each and every student to learn mathematics
"Naked number" computation problems	Learning mathematics in authentic, relevant contexts

*Answers to Your Biggest Questions About Teaching Elementary Math* by SanGiovanni, Katt, Knighten, and Rivera, p. 3