

Life is good for only two things, discovering mathematics and teaching mathematics.

Siméon Poisson

The truth of the matter is that, though mathematical truth may be beauty, it can be only glimpsed after much hard thinking. Mathematics is difficult for many human minds to grasp because of its hierarchical structure: one thing builds on another and depends on it.

M. Holt and D.T.E. Marjoram “Math in a Changing World”

One of the big misapprehensions about mathematics that we perpetrate in our classrooms is that the teacher always seems to know the answer to any problem that is discussed. This gives students the idea that there is a book somewhere with all the right answers to all of the interesting questions, and that teachers know those answers. And if one could get hold of the book, one would have everything settled. That's so unlike the true nature of mathematics.

Leon Henkin “Teaching Teachers, Teaching Students”