



NCTM Standard 3: Mathematics as Reasoning Comparison (K-4)

In grades K-4, the study of mathematics should emphasize reasoning so that students can:

- ♦ Use models, known facts, properties, and relationships to explain their thinking.

Related Benchmarks:

11B Models (K-2)#3

One way to describe something is to say how it is like something else.

1B Scientific Inquiry (K-2)#4

When people give different descriptions of the same thing, it is usually a good idea to make some fresh observations instead of just arguing about who is right.

9E Reasoning (3-5)#1

One way to make sense of something is to think how it is like something more familiar.

12B Computation and Estimation (3-5)#1

Seeing how a model works after changes are made to it may suggest how the real thing would work if the same thing were done to it.