

Q What is “Bloom’s Taxonomy”?

A This well-established educational tool—used for all ages and in all subjects, not just math—is valuable for describing levels of thinking and skill that students may experience during learning activities. The levels are arranged in order of their complexity, from the simplest (knowledge) to the most complex (evaluation). Many general explanations of “Bloom’s Taxonomy” are available on the Internet, including one found [here](#).

Q How do the levels of “Bloom’s Taxonomy” relate to “The Big Q”?

A A key reason that CFISD uses “The Big Q” is to help students reach upper levels of thinking during problem-solving activities in mathematics. Considering the “Tasks...” column below, the first word (verb = action word) is an important clue in determining which level of thinking is occurring.

Levels of Bloom’s Taxonomy	Tasks Done When Solving a Math Story Problem	Shown on “Big Q” During Step(s) #
Evaluation	▪ Judge whether the logic and the answer are correct	4
Synthesis	▪ Write an original description	4
Analysis	▪ Analyze information needed ▪ Determine “Why?” something in the problem happened	2
Application	▪ Use operations such as + - x ÷ ▪ Solve the equation	3 3
Comprehension	▪ Rephrase the main idea	1
Knowledge	▪ Recall math facts	3