

TEKS Mathematical Process Standards

(1) Mathematical process standards. The student uses mathematical processes to acquire and demonstrate mathematical understanding.

The student is expected to:

Live it!

(A) apply mathematics to problems arising in everyday life, society, and the workplace.

Execute it!

(B) use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution.

Work it!

(C) select tools, including real objects, manipulatives, paper and pencil, and technology as appropriate, and techniques, including mental math, estimation, and number sense as appropriate, to solve problems.

Share it!

(D) communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate.

Represent it!

(E) create and use representations to organize, record, and communicate mathematical ideas.

Connect it!

(F) analyze mathematical relationships to connect and communicate mathematical ideas.

Defend it!

(G) display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication.