

**THE**  
**ThinkTank**

Thinking Mathematically and Problem Solving

**CORRELATION TO TEKS (TEXAS ESSENTIAL KNOWLEDGE AND SKILLS) FOR MATHEMATICS – GRADE 6**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Prickly Problems	3NO	8EER	8EER	8EER	4P	2NO	13MD	13MD	8EER	4P	4P	8EER	13MD	3NO	3NO	3NO	2NO	7EER	3NO	3NO
Brain Boosters	4P	7EER	3NO	3NO	8EER	8EER	4P	4P	4P	4P	4P	8EER	13MD	4P	8EER	3NO	3NO	8EER	13MD	3NO
Cranium Crackers	3NO	8EER	13MD	2NO	3NO	13MD	3NO	12MD	4P	8EER	13MD	2NO	3NO	12MD	8EER	7EER	4P	3NO	11MD	8EER
Quick Quizzes	4P	2NO	8EER	2NO	4P	4P	13MD	8EER	13MD	13MD	3NO	8EER	3NO	3NO	3NO	13MD	8EER	3NO	2NO	8EER
Head Polishers	7EER	3NO	2NO	3NO	8EER	2NO	2NO	13MD	8EER	3NO	2NO	4P	8EER	4P	13MD	3NO	4P	3NO	8EER	11MD
Mental Matters	3NO	2NO	8EER	4P	8EER	13MD	3NO	2NO	7EER	8EER	2NO	13MD	3NO	3NO	2NO	4P	3NO	12MD	11MD	12MD
Cracker Jacks	3NO	3NO	12MD	8EER	2NO	4P	3NO	8EER	2NO	2NO	3NO	8EER	2NO	11MD	4P	8EER	3NO	12MD	4P	4P
Thorough Thinkers	8EER	2NO	2NO	2NO	3NO	3NO	3NO	4P	3NO	8EER	2NO	3NO	7EER	4P	2NO	2NO	12MD	4P	3NO	12MD
Cool Heads	3NO	4P	8EER	12MD	2NO	12MD	7EER	3NO	3NO	2NO	3NO	3NO	3NO	2NO	8EER	12MD	3NO	4P	11MD	8EER
Wise Wizards	3NO	3NO	13MD	3NO	13MD	11MD	2NO	3NO	7EER	8EER	3NO	3NO	3NO	12MD	3NO	4P	8EER	4P	8EER	8EER
Super Sleuths	3NO	12MD	8EER	3NO	8EER	2NO	7EER	5P	8EER	12MD	3NO	2NO	3NO	3NO	12MD	3NO	3NO	8EER	8EER	4P
Mega Minds	3NO	12MD	8EER	4P	3NO	4P	2NO	2NO	3NO	12MD	8EER	3NO	7EER	8EER	12MD	3NO	8EER	8EER	4P	4P

## Texas Essential Knowledge and Skills

### Standard 1 – Mathematical process standards

The student uses mathematical processes to acquire and demonstrate mathematical understanding. The student is expected to:

- (A) apply mathematics to problems arising in everyday life, society, and the workplace;
- (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;
- (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;
- (D) communicate mathematical ideas, reasoning, and their implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate;
- (E) create and use representations to organize, record, and communicate mathematical ideas;
- (F) analyze mathematical relationships to connect and communicate mathematical ideas; and
- (G) display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication.

2NO

### Standard 2 – Number and Operations (2NO)

The student applies mathematical process standards to represent and use rational numbers in a variety of forms.

3NO

### Standard 3 – Number and Operations (3NO)

The student applies mathematical process standards to represent addition, subtraction, multiplication, and division while solving problems and justifying solutions.

4P

### Standard 4 – Proportionality (4P)

The student applies mathematical process standards to develop an understanding of proportional relationships in problem situations

5P

### Standard 5 – Proportionality (5P)

The student applies mathematical process standards to solve problems involving proportional relationships.

7EER

### Standard 7 – Expressions, Equations, and Relationships (7EER)

The student applies mathematical process standards to develop concepts of expressions and equations.

8EER

### Standard 8 – Expressions, Equations, and Relationships (8EER)

The student applies mathematical process standards to use geometry to represent relationships and solve problems.

11MD

### Standard 11 – Measurement and Data (11MD)

The student applies mathematical process standards to use coordinate geometry to identify locations on a plane.

12MD

Standard 12 – Measurement and Data (12MD)

The student applies mathematical process standards to use numerical or graphical representations to analyze problems.

13MD

Standard 13 – Measurement and Data (13MD)

The student applies mathematical process standards to use numerical or graphical representations to solve problems.

**Note to Teachers:** *The Think Tank* questions have been correlated to the Grade Level Standards in 6th Grade. Please refer to the TEKS and the grade level student expectations. This correlation is only a starting point in your instructional planning.