# Think Tank (Thinking Mathematically and Problem Solving) and TEKS
## 2nd Grade

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

## 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.

Standard 2 - Number and Operations (2NO) – Comparison, Magnitude, Relative Position
The student applies mathematical process standards to understand how to represent and compare whole numbers, the relative position and magnitude of whole numbers, and relationships within the numeration system related to place value

Standard 3 – Number and Operations – Fractional Units (3NO)
The student applies mathematical process standards to recognize and represent fractional units and communicates how they are used to name parts of a whole.

Standard 4 – Number and Operations – Computation (4NO)
The student applies mathematical process standards to develop and use strategies and methods for whole number computations in order to solve addition and subtraction problems with efficiency and accuracy.

Standard 5 – Number and Operations – Money (5NO)
The student applies mathematical process standards to determine the value of coins in order to solve monetary transactions.

Standard 6 – Number and Operations – Equal Groupings (6NO)
The student applies mathematical process standards to connect repeated addition and subtraction to multiplication and division situations that involve equal groupings and shares.

Standard 7 – Algebraic Reasoning – Number Patterns (7AR)
The student applies mathematical process standards to identify and apply number patterns within properties of numbers and operations in order to describe relationships.

Standard 8 – Geometry and Measurement – 2D and 3D – (8GM)
The student applies mathematical process standards to analyze attributes of two-dimensional shapes and three-dimensional solids to develop generalizations about their properties.

Standard 9 – Geometry and Measurement – Length, Area, Time (9GM)
The student applies mathematical process standards to select and use units to describe length, area, and time.

Standard 10 – Data Analysis – (10DA)
The student applies mathematical process standards to organize data to make it useful for interpreting information and solving problems.

**Note to Teachers:** The Think Tank problems have been correlated to the Grade Level Standards in 2nd Grade. Please refer to the TEKS and the grade level student expectations. This correlation is only a starting point in your instructional planning.