

Think Tank (Measurement & Geometry) and TEKS

3rd Grade

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Steady Starters	7GM	6GM	6GM	7GM	6GM	6GM	6GM	7GM	DA	6GM	5AR	6GM	7GM	6GM	DA	6GM	DA	6GM	6GM	6GM
Brain Busters	6GM	6GM	6GM	6GM	6GM	5AR	6GM	6GM	DA	DA	6GM	6GM	6GM	6GM	6GM	7GM	6GM	6GM	7GM	6GM
Fact Finders	6GM	6GM	6GM	6GM	6GM	DA	5AR	6GM	6GM	DA	6GM	6GM	6GM	DA	6GM	6GM	6GM	DA	DA	DA
Game Changers	6GM	5AR	7GM	6GM	6GM	6GM	DA	6GM	6GM	6GM	6GM	6GM	6GM	7GM	6GM	6GM	6GM	6GM	7GM	7GM
Head Expanders	7GM	DA	6GM	6GM	6GM	DA	7GM	6GM	6GM	6GM	6GM	6GM	6GM	DA	6GM	7GM	6GM	DA	6GM	6GM
Master Minds	7GM	6GM	6GM	6GM	DA	6GM	DA	6GM	6GM	7GM	7GM	6GM	6GM	6GM	6GM	6GM	DA	7GM	6GM	6GM
Ponder Puzzles	DA	6GM	DA	7GM	6GM	7GM	6GM	6GM	6GM	DA	6GM	6GM	DA	7GM	6GM	6GM	6GM	6GM	DA	7GM
Problem Posers	6GM	6GM	7GM	6GM	6GM	6GM	DA	6GM	6GM	6GM	6GM	6GM	DA	6GM	6GM	6GM	6GM	DA	6GM	DA
Tough Teasers	6GM	5AR	DA	6GM	6GM	7GM	6GM	DA	7GM	DA	DA	7GM	DA	6GM	DA	6GM	6GM	DA	6GM	DA
No Brainers	6GM	6GM	7GM	6GM	6GM	6GM	DA	6GM	6GM	6GM	6GM	6GM	6GM	6GM	6GM	6GM	5AR	6GM	6GM	DA
Quirky Questions	5AR	6GM	7GM	5AR	6GM	6GM	DA	6GM	6GM	7GM	6GM	6GM	6GM	DA	6GM	6GM	6GM	6GM	7GM	DA
Ready Riddles	6GM	DA	6GM	DA	7GM	DA	6GM	6GM	6GM	7GM	7GM	DA	6GM	6GM	6GM	DA	6GM	6GM	7GM	7GM

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) – Whole Number Comparison, Relationships, Place Value

The student applies mathematical process standards to represent and compare whole numbers and understand relationships related to place value.

Standard 3 – Number and Operations – Fractional Units (3NO)

The student applies mathematical process standards to represent and explain fractional units.

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 problems with efficiency and accuracy.

Standard 5 – Algebraic Reasoning (5AR)

The student applies mathematical process standards to analyze and create patterns and relationships.

Standard 6 – Geometry and Measurement – 2D and 3D – Generalize Properties (6GM)

The student applies mathematical process standards to analyze attributes of two-dimensional geometric figures to develop generalizations about their properties.

Standard 7 – Geometry and Measurement – Units of Measure (7GM)

The student applies mathematical process standards to select appropriate units, strategies, and tools to solve problems involving customary and metric measurement.

Standard 8 – Data Analysis (8D)

The student applies mathematical process standards to solve problems by collecting, organizing, displaying, and interpreting data.

Developmental Activity- (DA)

DA indicates that the content is developmental, intended to build foundational skills for mathematics that will be taught at a later stage.

Note to Teachers: The Think Tank problems have been correlated to the Grade Level Standards in 3rd Grade. Please refer to the TEKS and the grade level student expectations. This correlation is only a starting point in your instructional planning.