

Think Tank (Measurement and Geometry) and TEKS

5th Grade

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

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) – Positive Rational Numbers - Relationships

The student applies mathematical process standards to represent, compare, and order positive rational numbers and understand relationships as related to place value.

Standard 3 – Number and Operations (3NO) – Positive Rational Numbers - Computation

The student applies mathematical process standards to develop and use strategies and methods for positive rational number computations in order to solve problems with efficiency and accuracy.

Standard 4 – Algebraic Reasoning (4AR) – Expressions and Equations

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

Standard 5 – Geometry and Measurement (5GM) – Classify 2D

The student applies mathematical process standards to classify two-dimensional figures by attributes and properties. The student is expected to classify two-dimensional figures in a hierarchy of sets and subsets using graphic organizers based on their attributes and properties

Standard 6 – Geometry and Measurement - (6GM) - Volume

The student applies mathematical process standards to understand, recognize, and quantify volume.

Standard 7 – Geometry and Measurement – (7GM) – Metric and Customary Units

The student applies mathematical process standards to select appropriate units, strategies, and tools to solve problems involving measurement. The student is expected to solve problems by calculating conversions within a measurement system, customary, or metric.

Standard 8 – Geometry and Measurement – (8GM) – Coordinate Plane

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

Standard 9 – Data Analysis – (9DA)

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 5th Grade. Please refer to the TEKS and the grade level student expectations. This correlation is only a starting point in your instructional planning.