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Think Tank (Fractions) and TEKS 6th Grade

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Quick Quizzes	2NO	2NO	2NO	2NO	2NO	2NO	7EE	7EE	7EE	2NO	2NO	2NO	2NO	6EE	2NO	7EE	2NO	7EE	7EE	2NO	
Pace Setters	2NO	2NO	2NO	2NO	6EE	2NO	2NO	2NO	2NO	2NO	2NO	2NO	2NO	2NO	2NO	2NO	2NO	2NO	2NO	12M D	7EE
Ponder Puzzles	2NO	3NO	3NO	2NO	6EE	2NO	3NO	3NO	2NO	7EE	3NO	3NO	2NO	2NO	3NO	5R	5R	3NO	3NO	4RP	
Fast Figures	2NO	2NO	3NO	2NO	6EE	2NO	2NO	7EE	2NO	3NO	3NO	2NO	3NO	3NO	3NO	4PR	4PR	4PR	4PR	7EE	
Brain Busters	6EE	2NO	2NO	6EE	4R	2NO	2NO	2NO	3NO	3NO	3NO	3NO	3NO	3NO	3NO	4R	2NO	4PR	9SP	7EE	
Thorough Thinkers	3NO	2NO	2NO	6EE	2NO	2NO	4R	2NO	3NO	3NO	3NO	3NO	4R	3NO	7EE	2NO	4R	4R	4R	7EE	
Cranium Crackers	2NO	2NO	3NO	2NO	2NO	3NO	2NO	2NO	4R	3NO	6EE	4R	7EE	7EE	3NO	4R	4R	4R	9SP	7EE	
Super Solvers	2NO	2NO	6EE	2NO	2NO	3NO	2NO	3NO	3NO	4R	9SP	3NO	4R	3NO	2NO	2NO	2NO	4R	4R	4R	
Master Minds	2NO	2NO	2NO	3NO	2NO	4R	4R	4R	4R	4R	2NO	7EE	7EE	4R	2NO	4R	7EE	4R	4R	9SP	
Prickly Problems	3NO	2NO	6EE	2NO	3NO	9SP	2NO	3NO	4R	2NO	7EE	3NO	2NO	4R	3NO	4R	2NO	2NO	2NO	2NO	
Wise Wizards	2NO	2NO	3NO	2NO	2NO	3NO	2NO	4R	4R	4R	2NO	4R	7EE	4R	4R	3NO	3NO	3NO	4R	9SP	
Grand Masters	3NO	2NO	6EE	2NO	6EE	2NO	2NO	2NO	4R	3NO	4R	4R	3NO	4R	3NO	4R	4R	4R	9SP	7EE	

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) – Rational Numbers

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

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

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

Standard 4 – Proportionality (4RP) – Ratios and Percents

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

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

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

Standard 9 –Statistics (9SP)-Interpret Data

The student applies mathematical process standards to interpret data: represent and analyze data.

Standard 10 – Expressions, Equations, and Relationships (10EER) -

The student applies mathematical process standards to use equations and inequalities to solve problems.

Standard 11 – Measurement and Data (11MD) – Coordinate Plane

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

Standard 12 – Measurement and Data (12MD) – Represent Numerical Data

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

Standard 13 – Measurement and Data (13MD) – Interpret Numerical Data

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

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 6th Grade. Please refer to the TEKS and the grade level student expectations. This correlation is only a starting point in your instructional planning.