For the 2016-2017 school year, the content goals are algebraic and proportional reasoning for grades 6-8. Algebra and proportional reasoning professional development should include the understanding of problem structures and student strategies to guide instruction and focus on the grade 6-8 TEKS. Challenging math problems and problem solving in all grade levels involving decision making, reflection on problem solutions, especially deciding which information to use, how and when to use certain tools and representations, and how to communicate those decisions and results should provide the pedagogical context for the content. Professional development programming should target these needs through the use of research-based professional development approaches and associated materials.

6th Grade TEKS

4) The student applies mathematical process standards to develop an understanding of proportional relationships in problem situations.
(5) The student applies mathematical process standards to solve problems involving proportional relationships.

7th Grade TEKS

(4) The student applies mathematical process standards to represent and solve problems involving proportional relationships.
(5) The student applies mathematical process standards to use geometry to describe or solve problems involving proportional relationships.
(6) The student applies mathematical process standards to use probability and statistics to describe or solve problems involving proportional relationships.

8th Grade TEKS

(3) The student applies mathematical process standards to use proportional relationships to describe dilations.
(4) The student applies mathematical process standards to explain proportional and non-proportional relationships involving slope.
(5) The student applies mathematical process standards to use proportional and non-proportional relationships to develop foundational concepts of functions.

Algebra I TEKS will also be considered.