

The Proportional Reasoning Progression in *MathLinks*: Grade 6

The Ratio and Proportional Relationships standards are the focus of four units in *MathLinks*: Grade 6.

- In Unit 3 (this unit), **Ratio Representations**, students begin the transition from additive to multiplicative thinking by learning to create and interpret ratios, tape diagrams, tables, equivalent ratios, and double number lines in a variety of contexts.
- In Unit 4, **Division**, students explore the structure of rate problems and solve rate problems as they gain fluency with division.
- In Unit 5, **Percent**, students use reasoning strategies, computational procedures, and double number lines to make sense of percent and percent applications.
- In Unit 7, **Inputs and Outputs**, students informally expand their notion of proportional relationships, specifically the use of unit rates, into the world of input-output rules (functions).