



The Progression of Understanding Ratios to Understanding Trigonometry and Beyond

Grade 6

- ❑ Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities. [CCSS.MATH.6.RP.A.1](#)
- ❑ Understand the concept of a unit rate a/b associated with a ratio $a:b$ with $b \neq 0$, and use rate language in the context of a ratio relationship. [CCSS.MATH.6.RP.A.2](#)

Grade 7

- ❑ Recognize and represent proportional relationships between quantities. [CCSS.MATH.7.RP.A.2](#)
- ❑ Use proportional relationships to solve multistep ratio and percent problems. [CCSS.MATH..7.RP.A.3](#)

Grade 8

- ❑ Understand the connections between proportional relationships, lines, and linear equations. [CCSS.MATH.8.EE.B](#)

High School

- ❑ Understand similarity in terms of similarity transformations. [CCSS.MATH..HSG.SRT.A](#)
- ❑ Define trigonometric ratios and solve problems involving right triangles. [CCSS.MATH.HSG.SRT.C](#)