

Math 6+: Computation and Problem Solving

Fraction and Decimal Operations

Fractions: Multiplication and Division

Students

Learning Continuum Statements:

Students:

RIT 181-190:

- Determines fractions of a set

Students:

RIT 191-200:

- Multiplies fractions by fractions, results not in simplest form
- Understands multiplication as scaling

Students:

RIT 201-210:

- Multiplies fractions by fractions, results not in simplest form
- Understands multiplication as scaling
- Understands that finding fractions of whole numbers is the same as finding their product

Students:

RIT 211-220:

- Divides fractions by fractions, results in simplest form
- Multiplies fractions by whole numbers, results in simplest form
- Understands multiplication as scaling
- Understands that finding fractions of whole numbers is the same as finding their product

Students:

RIT 221-230:

- Divides fractions by fractions, results in simplest form
- Divides fractions by whole numbers, results in simplest form
- Divides mixed numbers by fractions, results in simplest form
- Divides mixed numbers by mixed numbers, results in simplest form
- Divides two whole numbers with a quotient in the form of a fraction or a mixed number
- Multiplies fractions by fractions, results in simplest form
- Multiplies fractions by whole numbers, results in simplest form
- Multiplies fractions by whole numbers, results not in simplest form
- Multiplies mixed numbers by fractions, results in simplest form
- Understands multiplication as scaling
- Understands the effect of multiplying whole numbers by fractions greater than 1

Students:**RIT 231-240:**

- Divides fractions by fractions, results in simplest form
- Divides fractions by mixed numbers, results in simplest form
- Divides fractions by whole numbers, results in simplest form
- Divides mixed numbers by fractions using models
- Divides mixed numbers by fractions, results in simplest form
- Divides mixed numbers by mixed numbers, results in simplest form
- Divides mixed numbers by whole numbers, results in simplest form
- Divides whole numbers by fractions using models
- Divides whole numbers by fractions, results in simplest form
- Divides whole numbers by mixed numbers, results in simplest form
- Multiplies fractions by fractions, results in simplest form
- Multiplies mixed numbers by fractions, results in simplest form
- Multiplies mixed numbers by mixed numbers, results in simplest form
- Multiplies mixed numbers by whole numbers, results in simplest form
- Understands that dividing by a fraction is the same as multiplying by its reciprocal
- Understands the effect of multiplying whole numbers by fractions greater than 1
- Understands the effect of multiplying whole numbers by fractions less than 1

Students:**RIT 241-250:**

- Divides fractions by fractions, results in simplest form
- Divides mixed numbers by fractions using models
- Divides mixed numbers by fractions, results in simplest form
- Divides mixed numbers by mixed numbers, results in simplest form
- Divides whole numbers by fractions, results in simplest form
- Multiplies fractions by fractions, results in simplest form
- Multiplies mixed numbers by fractions, results in simplest form
- Multiplies mixed numbers by mixed numbers, results in simplest form
- Understands that finding fractions of fractions is the same as finding their product
- Understands that multiplying whole numbers and fractions involves multiplying the whole number and the numerator, then dividing by the denominator