

Surviving Dragon City by Knowing Operations with Rational Numbers

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Implementing Common Core Standards

7.RP.3 Use proportional relationships to solve multistep ratio and percent problems.
Examples: simple interest, tax, markups and markdowns, gratuities and commissions, fees, percent increase and decrease, percent error

- In the unit students will understand how percents are solved using ratios and the fact that ratios are solved using equivalent fractions and that cross multiplying is simply is the same method or procedure used to determine a common denominator.

7.NS.1 Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers

- Students will explore more complex problems involving addition and subtraction of rational numbers. This will lead to a better foundational understanding of rational numbers and more success in Algebra.

7.NS.2 Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.

- By understanding place values students will be more knowledgeable in multiplication and division with rational numbers.

7.NS.3 Solve real-world and mathematical problems involving the four operations with rational numbers

- When students participate in the Dragon City scenarios they will be exposed to numerous real world problems.