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|---|--|--|---|---|---|
| <b>Topic:</b> Operations with Rational Numbers  |  | <b>Essential Question:</b> How can prior knowledge of properties be used to demonstrate the addition, subtraction, multiplication, and division of rational numbers?   |   |   |   |
| <b>Standards:</b> <ul style="list-style-type: none"> <li>7.NS.1 Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.</li> <li>7.NS.2 Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.</li> <li>7.NS.2 Solve real world and mathematical problems involving the four operations with rational numbers.</li> </ul> |  | <b>Students Will Be Able To</b> <ul style="list-style-type: none"> <li>Apply their knowledge of the properties of addition and subtraction of whole numbers and integers to add and subtract rational numbers.</li> <li>Apply their knowledge of the properties of multiplication and division of whole numbers and integers to multiply and divide rational numbers.</li> <li>Solve real world problems with negative and positive rational numbers.</li> </ul> |   |   |   |
| <b>Vocabulary:</b> <ul style="list-style-type: none"> <li>Positive numbers, negative numbers, integers, additive inverse, rational numbers, product, quotient, credit, debit, account, withdraw, deposit, balance</li> </ul>  |  | <b>Assessment:</b> <ul style="list-style-type: none"> <li>Discussion questions</li> <li>Classwork practice with partners</li> <li>Project</li> </ul>   |   |   |   |
| <b>Monday: Review of Operations with Integers and Introduction to Operations with Rational Numbers</b>  |  | <b>Tuesday: Club Budget Project</b>  | <b>Wednesday: Club Budget Project</b>   | <b>Thursday: Operations with positive and negative Rational Numbers (fractions and decimals)</b>  | <b>Friday: Operations with positive and negative Rational Numbers (fractions and decimals)</b>  |
| <ul style="list-style-type: none"> <li>Do Now review problems</li> <li>Go over quiz</li> <li>800lb Monster activity</li> <li>Shooting Star activity</li> <li><b>HW: Finish 800lb Monster activity and Shooting Star activity</b></li> </ul>   |  | <ul style="list-style-type: none"> <li>Do Now review problems</li> <li>Go over HW</li> <li>Explain and begin “Club Budget” project</li> <li><b>HW: Double sided practice problem worksheet due Thursday (nothing due tomorrow)</b></li> </ul>  | <ul style="list-style-type: none"> <li>Do Now review problems</li> <li>Finish “Club Budget” Projects</li> <li>Share and discuss “Club Budget” projects</li> <li><b>HW: Double sided practice problem worksheet due Tomorrow (the one given on Tuesday)</b></li> </ul> | <ul style="list-style-type: none"> <li>Do Now review problems</li> <li>Go over HW</li> <li>Goldilocks activity</li> <li>Practice problems</li> <li><b>HW: Finish Goldilocks activity and practice problems</b></li> </ul> | <ul style="list-style-type: none"> <li>Do Now review problems</li> <li>Go over HW</li> <li>Maze Phrase activity</li> <li><b>HW: Have a good weekend!</b></li> </ul> |