

<b>Lesson Title: Equivalent Fraction Exploration</b>
<b>Unit: Fun Fraction Projects</b>
<b>Grade Level: 6<sup>th</sup> grade</b>
<b>Estimated time requirement: 1 or 2 class periods</b>
<b>Summary:</b> Through the use of fraction circles, students will develop a strong mental image and idea of equivalence to develop the foundation for more formal work with fraction operations.
<b>Objectives:</b>
<ul style="list-style-type: none"> <li>• The students will be able to generate equivalent fractions from a given fraction.</li> </ul>
<b>Content Standards:</b>
<b>TEKS: 6.1A, 6.1B, 6.1E, 6.2A, 6.10A</b>
<b>Assessment:</b>
<ul style="list-style-type: none"> <li>• Teacher made worksheet over equivalent fractions</li> <li>• Teacher will informally assess students' understanding during the discussion of the wall chart.</li> </ul>
<b>Materials:</b>
<ul style="list-style-type: none"> <li>• Fraction Circles</li> <li>• Cuisenaire Rods and Fractions Strips could also be used for this activity</li> </ul>
<b>Resources:</b>
<ul style="list-style-type: none"> <li>• Constructing Ideas about Fractions, Decimals, &amp; Percents by Creative Publications</li> </ul>
<b>Prior Knowledge/Skills:</b> strong knowledge of concept of a fraction
<b>Procedures:</b>
Teacher will model and guide the class into a discussion of how each fractional part can be divided evenly into other pieces. After students understand the process, they will complete the activity in small groups for more of a discovery approach.
<b>Modifications:</b>
<ul style="list-style-type: none"> <li>• Students with special needs can be paired with a stronger student.</li> </ul>
<b>Technology Infusion:</b>
<ul style="list-style-type: none"> <li>• Document camera for demonstration</li> <li>• Website of Virtual Manipulatives</li> </ul>
<b>Cultural Connections:</b> Students can research the importance of the circle and its impact on our culture. (the wedding ring, for example)
<b>Family Connection:</b> Have students ask parents how they use equivalent fractions in their home or job. Have the students use the information they have gathered to create word problems using equivalent fractions.
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