**Fractions Lesson Plan**

**Learning Objectives:**

* Teach students the general size difference of fractions
* Teach students the concept of the denominator and what it indicates
* Teach students how to add fractions to make a whole

**Lessons:**

* Size Difference of Fractions: Have students feel the sizes of the different fraction pieces. Tell them that the largest pieces are ½ pieces, the second-largest pieces are ¼ pieces, and the smallest pieces are ⅛ pieces. Tell them that as the bottom number, which is the denominator, gets bigger, the size of the fraction gets smaller. For example, ¼ is larger than ⅛. Have the students sort the pieces.
* Concept of Denominator: The bottom number of each fraction, which is the denominator, indicates how many of those pieces it takes to make a whole. Have students find the ⅛ pieces. Give them time to fit the eight ⅛ puzzle pieces into the puzzle. Ask them how many of those puzzle pieces it took the make a whole. Tell them that it took eight puzzle pieces. This demonstrates how eight-eighths make a whole and the concept of the denominator.
* Two-Halves Make a Whole: Have students find the ½ puzzle pieces. Give them time to fit the two ½ puzzle pieces into the puzzle. Ask them how many of those puzzle pieces it took to make a whole. Tell them that it took two of the puzzle pieces. This demonstrates how two halves make a whole.
* Four-Fourths Make a Whole: Have students find the ¼ puzzle pieces. Give them time to fit the four ¼  puzzle pieces into the puzzle. Ask them how many of those puzzle pieces it took to make a whole. Tell them that it took four of the puzzle pieces. This demonstrates how four-fourths make a whole.
* Two-Fourths Equals One-Half: Have students find two ¼  puzzle pieces and one ½ puzzle piece. Give them time to fit the puzzle pieces into the puzzle. This demonstrates how two halves make a whole, and how two-fourths is equal to ½.