Grade 4 Math Worksheet: Equivalent Fractions (Difficulty Level: Advanced)

Name: _____
Date: _____

Part A: Solve Word Problems

1. A classroom has 24 students. If 2/3 are wearing red shirts, how many students are in red shirts?
2. A cake is cut into 16 equal slices. If 3/8 of the cake is eaten, how many slices are left?
3. A farmer plants 2/5 of a field with corn, 3/10 with wheat, and the rest with rice. What fraction of the field is planted with rice?
4. A car travels 3/5 of a mile uphill and 4/5 of a mile downhill. How far does the car travel in total? Simplify your answer.
5. A class has 40 students. If 1/4 play basketball and 3/10 play soccer, how many students play neither sport?

Part B: Challenge Questions

1. If 2/7 = _ /49, what is the missing numerator?
2. If 6/9 = 12/_, what is the missing denominator?
3. What is the least common denominator (LCD) of 3/4 and 5/6?
4. Convert 2 3/8 to an improper fraction.
5. Simplify the fraction 42/56.

Part C: Fill in the Gaps

1. 3/8 = _ /16 = _ /32
2. 5/6 = _ /12 = _ /18
3. 4/9 = _ /27 = _ /36
4. 2/7 = _ /14 = _ /28
5. 6/10 = _ /20 = _ /30

Part D: Compare the Fractions (12 Questions)

Use **<, >, or =**.

1. 3/5 _____ 6/10
2. 7/12 _____ 14/24
3. 4/9 _____ 12/27
4. 5/8 _____ 10/16
5. 9/11 _____ 18/22
6. 2/7 _____ 8/28

--BE THE CHAMPION!--