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

Name: _____
Date: _____

Part A: Find the Missing Number

1. $7/12 = \_ / 36$
2. $5/8 = \_ / 32$
3. $4/9 = \_ / 27$
4. $3/7 = \_ / 49$
5. $6/13 = \_ / 39$
6. $8/15 = \_ / 60$
7. $2/11 = \_ / 44$
8. $5/9 = \_ / 54$
9. $9/10 = \_ / 100$
10. $3/5 = \_ / 50$

Part B: Simplify the Fractions

1. $32/48 = $ _____
2. $45/60 = $ _____
3. $56/70 = $ _____
4. $81/108 = $ _____
5. $27/36 = $ _____

Part C: Compare the Fractions

Use **<, >, or =** to compare the fractions.

1. $4/5$ _____ $8/10$
2. $6/7$ _____ $12/14$
3. $3/8$ _____ $9/24$
4. $7/9$ _____ $14/18$

5. 5/12 ____ 10/24

Part D: Word Problems

1. A container holds 15 liters of juice. Sarah drank 6 liters. What fraction of the juice remains in the container? Simplify your answer.
2. A bag has 48 marbles, 18 of which are red. What fraction of the marbles are red? Simplify your answer.
3. A farmer's field is divided into 8 equal parts. He plants wheat in 5 parts and corn in 3 parts. Are the fractions for wheat and corn equivalent?
4. A student answered 36 out of 54 questions correctly on a test. What fraction of the questions were answered correctly? Simplify.
5. Two runners completed a race. Runner A ran 3/4 of the track, and Runner B ran 12/16 of the track. Did they run the same distance?

--BE THE CHAMPION!--