**Thinking About the Addition of Fraction in the Context of Basketball**

1. On Wednesday, January 22, 2014, the Phoenix Suns beat the Indianapolis Pacers 124 – 100. In that game, the Suns attempted 32 free throws and made 23 of them. Express this free throw statistic in fractional form.

2. Describe the meaning of this fraction.

3. On Sunday, January 19, 2014, the Phoenix Suns beat the Denver Nuggets 117 – 103. In that game, the Suns attempted 26 free throws and made 17 of them. Express this free throw statistic in fractional form.

4. Describe the meaning of this fraction.

5. Can you add the fractions from #1 and #3? If so, how? If not, why not? If so, what would this sum mean?

6. Suppose a student added the fractions from this situation using a common denominator as follows:



Explain what this result would mean (hypothetically) in the context of the basketball situation presented. That is, try to force a meaningful explanation on this computation. Then, explain why this method cannot be useful in this situation.