You MAY work together, but each person should hand in his/her own quiz.

1. [1.5 pt] If one yellow Fraction Tile represents the whole, how could you represent $\frac{7}{6}$ of the whole? Circle your answer, then clearly explain the mathematics involved, referring separately to the meanings of numerator and denominator.

   Cut the whole yellow into 6 identical pink tiles. Keep 7 of them.

   Answer: 7 pink

2. [3.5 pts] If one orange Fraction Tile represents $\frac{2}{3}$ of the whole, how could you represent $\frac{1}{4}$ of the same whole? Circle your answer, then clearly explain the mathematics involved, referring separately to the meanings of numerator and denominator. (You must discuss the ORIGINAL fractions $\frac{2}{3}$ and $\frac{1}{4}$; you may NOT use equivalent fractions for them instead.)

   The orange is made of 2 tile, that were kept when the unknown whole had been cut into 3 same-size pieces. Checking, we see that 1 orange equals 2 blue, so the whole was made of 3 blue. Now cut that whole into 4 identical pieces — green — and keep one of them.

   Answer: 1 green