A DOZEN EGGS FRACTIONS

1) Take an egg carton to use with your partner.

2) Draw the colors of your eggs in the egg carton diagram below.

3) What fraction of your eggs are pink? _______________

4) What fraction of your eggs are blue? _______________

5) What fraction of your eggs are yellow? _______________

6) What fraction of your eggs are green? _______________

7) What fraction of your eggs are purple? _______________

8) What fraction of your eggs are orange? _______________

Open up your eggs now. Keep track of how many eggs have a sticker inside.

9) What fraction of your eggs have a sticker? Write at least two different names for that fraction.
   ______________

10) What fraction of eggs do not have stickers? ______________

11) Which fraction is greater? (Sticker eggs or No-sticker eggs?) ______________

Close up the eggs again.

Created by Alycia Zimmerman for classroom use.
12) Start with a complete set of eggs in the carton. A recipe calls for eight eggs. Remove eight eggs from your set. Shade the remaining eggs in the picture of the egg carton below.

[Diagram showing 8 eggs in a carton, 4 shaded and 4 unshaded]

a. What fraction of the entire set remains? ____________

b. What fraction of the set was removed? ____________

c. What other fraction names refer to your drawing above? ________________

13) Start with a complete set of eggs again. A recipe calls for \( \frac{1}{4} \) of a dozen eggs. Shade the number of eggs needed in the picture of an egg carton below.

[Diagram showing 8 eggs in a carton, 2 shaded and 6 unshaded]

a. How did you decide how to shade \( \frac{1}{4} \) of a dozen? __________________________

b. What other fractions equal \( \frac{1}{4} \)? __________________________
1. Shade 2/3 of the eggs pink:
   - [Shade 10 out of 15]

2. Shade 1/4 orange and 1/2 blue:
   - [Shade 5 out of 10]

Which has more eggs shaded?

3. Shade 7/12 of the eggs green:
   - [Shade 7 out of 12]

4. Shade 1/2 purple:
   - [Shade 6 out of 12]

Which has more eggs shaded?

5. Shade 5/6 of the eggs red:
   - [Shade 8 out of 12]

6. Shade 3/6 yellow and 1/2 blue:
   - [Shade 5 out of 12]

Which has more eggs shaded?