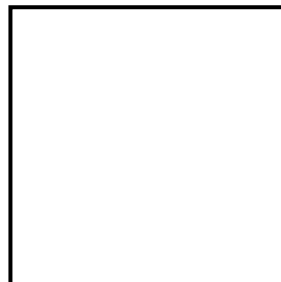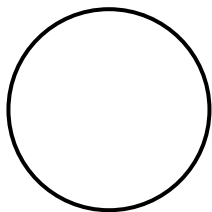Name _____   Date _____

Fraction Quiz

You will need fraction circle pieces to complete this quiz.

1. A. Shade $\frac{1}{4}$ of each shape.

B. Are all of the shaded areas the same size? Explain how you know.

2. If the pink is the unit whole, write a fraction for each of the following, both as a number and in words.

   A. one aqua

   B. three blues

   C. one red

3. A. If a blue circle piece is $\frac{1}{2}$, what is the unit whole? _____

   B. If a blue circle piece is $\frac{1}{4}$, what is the unit whole? _____

   C. An aqua piece is $\frac{1}{2}$ of what circle piece? _____

Name _____ Date _____

4. A. Three blacks cover what part of an orange piece? _____

B. How do you know what numerator to use?

C. How do you know what denominator to use?

5. A. Write $\frac{17}{3}$ as a mixed number. Show or tell how you know your answer is correct.

B. Write $2\frac{5}{6}$ as an improper fraction. Show or tell how you know your answer is correct.

6. A. Find 4 fractions that are equivalent to $\frac{3}{5}$.

B. Complete this number sentence to make it true:

$$\frac{\Box}{\Box} = \frac{6}{9} = \frac{10}{15}$$

C. Show or tell how you know that $\frac{9}{12} = \frac{15}{20}$.

7. A. Show $\frac{3}{4}$ of the red circle using circle pieces of only one color. Make a sketch and write a number sentence for your solution.

B. Show $\frac{3}{4}$ of the red circle using circle pieces of two different colors. Make a sketch and write a number sentence for your solution.

C. Show $\frac{3}{4}$ of the red circle using circle pieces of three different colors. Make a sketch and write a number sentence for your solution.

Name _____   Date _____

Fraction Quiz Feedback Box	Expec-tation	Check In	Comments
Represent and identify fractions (e.g., proper, improper, mixed number) using area models, drawings, symbols, and number sentences. [Q# 1A, 2A–C, 4A, 5A–B]	E1		
Recognize that equal fractional parts of a unit whole are the same size (e.g., all fourths of a rectangle are the same size). [Q# 1B]	E2		
Identify the unit whole when given a fractional part of a whole. [Q# 3A–C]	E3		
Find equivalent fractions using tools (e.g., area models) and multiplication and division strategies. [Q# 6A–C]	E4		
Decompose fractions into the sums of smaller fractions (e.g., $\frac{3}{4} = \frac{1}{2} + \frac{1}{4}$). [Q# 7A–C]	E5		

	Yes . . .	Yes, but . . .	No, but . . .	No. . .
MPE2. Find a strategy. I choose good tools and an efficient strategy for solving the problem. [Q# 1B, 4B–C, 5A–B, 6C]				
MPE5. Show my work. I show or tell how I arrived at my answer so someone else can understand my thinking. [Q# 1B, 4B–C, 5A–B, 6C]				