Fraction Circles Math Kit

Materials used for these activities: *Deluxe Rainbow Fraction Circles* available through ETA Hand2Mind at www.hand2mind.com

Activity #1

Directions

1. Which fraction circle piece represents one? What color is it? (Draw or trace it.)

2. How can you show one-whole circle using the least number of pieces? (Show and draw your thinking.) What did you notice?

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3. How can you show one-whole circle using the most number of pieces? What did you notice? (Show and draw your thinking.)

4. How many different ways can you find to make one-whole circle using the fraction pieces? (Show and draw your thinking.) Use page 3 for more work space.

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Additional work space for #4.

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(Extension questions)

A. Were you able to create one-whole circle using multiple colored fraction pieces?

B. Which combination is the most challenging? Why?

C. If the red circle is a whole unit, how would you label each fractional piece? How did you know?

D. How can you show one-half of a circle using the least number of pieces? (Show and draw your thinking.) What did you notice?

E. How can you show one-half of a circle using the most number of pieces? (Show and draw your thinking.) What did you notice?

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Activity #2

Situation #1

5 friends bake 4 round mini-cakes. How much cake will each friend get if they equally share the mini-cakes?

Build a model using the fraction circles to show how much cake each person will get. Once you have found your solution, trace the pieces to show your work for others to see.

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Situation #2

Another group of friends is baking 7 round mini-cakes. The 8 friends will equally share the cake they bake. If you love eating cake, which group would you rather bake with?

Build a model using the fraction circles to show how much cake each person will get. Once you have found your solution, trace the pieces to show your work for others to see.

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Activity #3

Reflect and respond to at least two prompts below.

- My drawings were similar to _____, because_____.
- My drawings were different from _____, because _____.
- I learned _____ about _____.
- Fractions circles helped me show my thinking by...

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Activity #4

Technology Connection

Identifying Fractions using Circles

http://www.visualfractions.com/IdentifyCircles/identifycircles.html

National Library of Virtual Manipulatives-Fraction Pieces

http://nlvm.usu.edu/en/nav/frames_asid_274_g_2_t_1.html?open=activities&from=grade_g_2.html

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