

NAME: _____

Fraction Finder Exploration Questions

DIRECTIONS: Focus on the fraction practice in this activity, do so by check marking the Fraction radio button. Notice the different types of diagrams in the *Choose Shape* pull-down menu: square or circle. I would like you to work with both squares and circles throughout the activity. **IF YOU CHANGE SHAPES IN THE MIDDLE OF A PROBLEM ALL YOUR WORK AT THAT POINT WILL BE LOST!**

Things to think about throughout the activity

1. Record each problem (the number line, fractions, third fraction, for all problems completed/attempted, and at least ONE circle & ONE square representing the three fractions)
2. Methods I used to approximate the fractions
3. Is there a specific algorithm to find the third fraction?
4. Is one method easier to use? i.e. circle or squares

After completing several Fraction Finders successfully please answer the following questions. Refer back to your work.

1. Please list the method(s) used to approximate the fractions

2. Which shape is easier to use? Justify.

3. Is it easier to reduce fractions when using a circle or a square? Provide an example (can use one already solved for or create your own) and explain why.