Name: _____Class_____

Which Is More?

There are several candy bars, cookies, pizzas, and some cake for you and your friends to share. In each case however, you must choose which fractional part you want. Work with your partner to find out which fraction is greater. You may **not** use the procedures of cross multiplication or finding common denominators. To complete your task, use different manipulatives to model the problem, and make drawings to record your work. Circle the fraction that is greater:

1. Would you rather have $\frac{1}{3}$ of a cake or $\frac{1}{4}$ of one? Draw both options and circle your choice.

2. Would you rather have $\frac{3}{4}$ of a pizza or $\frac{3}{8}$ of one? Draw both options and circle your choice.

3. Would you rather have $\frac{2}{5}$ of the cookies or $\frac{1}{5}$ of them? Draw both options and circle your choice.

4. Would you rather have $\frac{2}{3}$ of a chocolate bar or $\frac{1}{4}$ of one? Draw both options and circle your choice.

What rules or generalizations have you discovered that can help you decide which fraction is greater?

- _____
- _____
- _____

As you continue, Write down how you decided which fraction is greater. You may use the rules you created to help you but no formal procedures or algorithms

Name: _____Class_____

Which Is More?

5. $\frac{4}{5}$ or $\frac{13}{12}$

_____

_____

6. $\frac{5}{6}$ or $\frac{9}{10}$

_____

_____

7. $\frac{17}{8}$ or $\frac{17}{10}$

_____

_____

8. $\frac{1}{3}$ or $\frac{3}{12}$

_____

_____

9. $\frac{6}{4}$ or $\frac{11}{8}$

_____

_____

10. $\frac{4}{3}$ or $\frac{14}{12}$

_____

_____

When you are done, check over your explanations. Can you find any exceptions to your rules? You may revise your rules and write down any new rules.

- _____
- _____