Name _____ Date _____ Class _____

Additional Practice

Investigation 2

Bits and Pieces I

1. For each pair of fractions, insert a less-than symbol (<), greater-than symbol (>), or an equals symbol (=) between the fractions to make the true statement.

a. $\frac{1}{2}$ $\frac{5}{10}$ **b.** $\frac{1}{3}$ $\frac{2}{5}$ **c.** $\frac{5}{12}$ $\frac{1}{3}$

d. $\frac{4}{5}$ $\frac{2}{3}$ **e.** $\frac{3}{4}$ $\frac{8}{10}$ **f.** $\frac{5}{8}$ $\frac{3}{7}$

2. a. For each pair of fractions, insert a less-than symbol (<), greater-than symbol (>), or an equals symbol (=) between the fractions to make the true statement.

i. $\frac{2}{3}$ $\frac{2}{5}$ **ii.** $\frac{4}{6}$ $\frac{4}{5}$ **iii.** $\frac{3}{4}$ $\frac{3}{8}$

b. Describe a way to compare two fractions when the numerators are the same.

3. a. For each pair of fractions, insert a less-than symbol (<), greater-than symbol (>), or an equals symbol (=) between the fractions to make the true statement.

i. $\frac{2}{5}$ $\frac{4}{5}$ **ii.** $\frac{4}{9}$ $\frac{7}{9}$ **iii.** $\frac{5}{11}$ $\frac{3}{11}$

b. Describe a way to compare two fractions when the denominators are the same.

4. For each group of fractions, rewrite the fractions in order from least to greatest.

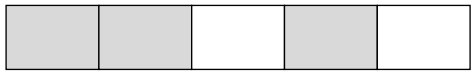
a. $\frac{2}{3}, \frac{1}{2}, \frac{3}{4}, \frac{2}{6}$ **b.** $\frac{24}{4}, \frac{1}{4}, \frac{11}{16}, \frac{1}{7}$

c. $\frac{1}{2}, \frac{1}{5}, \frac{1}{3}, \frac{1}{9}, \frac{1}{6}$ **d.** $\frac{11}{16}, \frac{3}{4}, \frac{3}{8}, \frac{1}{2}, \frac{3}{16}$

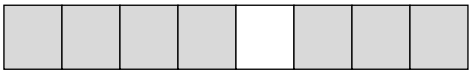
5. For each of the six fraction strips below, write *two* fractions that express the portion of the strip that is shaded.

a.

b.

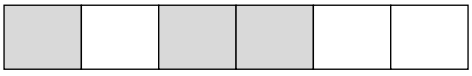


c.



d.

e.



f.

6. Find a fraction between each pair of fractions given.

a. $\frac{4}{7}$ and $\frac{5}{7}$ **b.** $\frac{1}{3}$ and $\frac{1}{4}$ **c.** $\frac{1}{8}$ and $\frac{2}{8}$

Additional Practice *(continued)*

7. Copy each number line below and estimate where the number 1 would be. Explain the strategy you used for each number line.

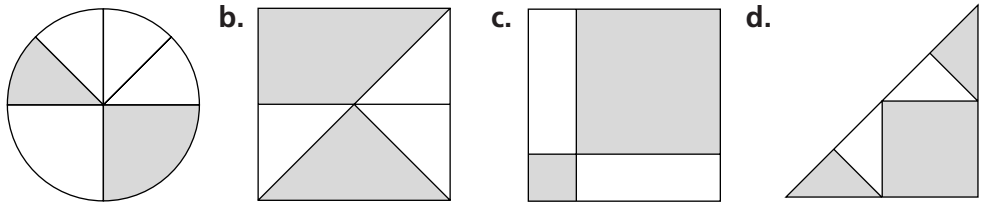
a.

b.

c.

8. For each shape below, write a fraction to express the portion of the entire shape that is shaded.

a. **b.** **c.** **d.**



9. Copy and complete the following table:

Fraction	$\frac{7}{4}$		$\frac{35}{3}$	$\frac{19}{4}$		
Mixed Number		$3\frac{2}{3}$			$2\frac{5}{6}$	$7\frac{1}{2}$

10. Lisa has two oranges that are the same size but each one is divided differently. One orange has been divided into five equal-size sections and the other orange has been divided into ten equal-size sections.

a. If Brian eats three pieces of the orange with five sections, what fraction of the orange will he get?

b. Lisa gave John the orange with ten sections. John wants to eat the same amount as Brian. How many pieces of his orange will John have to eat? Explain.

c. Lisa bought a new orange that she wants to share equally among three people. This orange has been divided into five equal-size sections. Explain how Lisa should cut the orange so three people can share it.