Algebra Readiness Fractions Concepts Full Name _____

04 A – Worksheet 3 Date _____ Period _____

Part I – Compare the fractions using >, <, or =. **Justify your response.**

1.

a. $\frac{6}{5} \square 2\frac{1}{2}$ *b.* $\frac{4}{7} \square 2\frac{1}{3}$

2.

a. $4\frac{7}{8} \square 5\frac{2}{3}$ *b.* $2\frac{3}{4} \square \frac{13}{4}$

3.

a. $\frac{7}{5} \square \frac{7}{8}$ *b.* $2\frac{1}{3} \square \frac{7}{6}$

4.

a. $\frac{7}{10} \square \frac{2}{15}$ *b.* $\frac{1}{2} \square \frac{5}{9}$

Part II – Interpreting word problems with fractions.

5.

21 people show up to play in a basketball tournament. They are split into teams made up of 5 people on each team.

a. Express this scenario as an improper fraction.

b. Express this scenario as a mixed fraction.

c. Interpret the mixed fraction in the context of this problem.

6.

On Halloween Mrs. Goast bought 73 pieces of candy. Mrs. Goast is very generous and gives every trick-or-treater 8 pieces of candy.

a. Express this scenario as an improper fraction.

b. Express this scenario as a mixed fraction.

c. Interpret the mixed fraction in the context of this problem.

7.

A local restaurant produced 260 cubic feet of trash and want to put it all in garbage bins. Their garbage bins can hold a maximum of 80 cubic feet of trash.

a. Express this scenario as an improper fraction.

b. Express this scenario as a mixed fraction.

c. Interpret the mixed fraction in the context of this problem.

8.

A baseball team bought a case with 30 sports drinks in it for the team. The team has 11 players.

a. Express this scenario as an improper fraction.

b. Express this scenario as a mixed fraction.

c. Interpret the mixed fraction in the context of this problem.