

Indicators

Objective:

1.03 Compare and order rational numbers.

Vocabulary and Resources		
fractions	greater than or equal to \geq	factor
decimals	compound inequality $a < b < c$	numerator
percents	ascending order	denominator
number line	descending order	improper fraction
equal to	common denominator	mixed number
greater than	least common denominator	simplify fraction
less than	multiple	
less than or equal to \leq	least common multiple (LCM)	

A. Circle the equivalent numbers in each set.

a) $\frac{2}{3}$ $\frac{18}{27}$ 66.7%

b) 0.070 70% 0.70

c) 48% $\frac{48}{100}$ $\frac{12}{25}$

d) 0.33 $\frac{1}{3}$ 33.3%

e) \$0.35 .35¢ \$ $\frac{7}{20}$

B. Latroy was bragging to his friend Antonio that he ate six out of eight pieces of his pizza at Marios. Antonio told him that wasn't a big deal because he had eaten 75% of his pizza at The Italian Kitchen. Kaneisha overheard the conversation and told the boys they had both eaten the same amount. Was Kaneisha correct? Explain.

C. Annette and Robin were eating lunch together. When they finished eating, Annette stated that she had eaten half of her sandwich. Robin said, "I ate 50% of my sandwich but I ate more than you." Explain how this is possible.

D. Sophia has $\frac{1}{10}$ of a dollar, Juan has \$0.45, Dwayne has 5% of a dollar, and Alex has one 50 cent piece. Who has the most money?

E. Place a rational number in each blank so that the three numbers are arranged in order from smallest to largest.

a) $-\frac{3}{4}$, _____, $-\frac{1}{2}$

b) $\frac{1}{4}$, _____, $\frac{3}{8}$

c) $33\frac{1}{3}\%$, _____, 0.75

d) -5.67 , _____, $-5\frac{1}{10}$

e) $-3\frac{5}{6}$, _____, $-3\frac{3}{4}$