CC Math 6 Ratios \& Rates
Part to Part, Part to Whole, and Simplify

Name: $\qquad$
Date: $\qquad$ Core: $\qquad$
Instructions: Draw a simply diagram to model each problem then list the part to part, and part to whole ratios, simplify if ratios if possible.
1.) Pedro has a bag of marbles with 5 red and 15 blue marbles. Diagram and list the following ratios. Diagram
Ratios can be written $\qquad$ many ways. Show all the ways they can be written.
$\qquad$ red to $\qquad$ blue, simplify $\qquad$ to $\qquad$
-_ $\frac{\text { red }}{\text { all marbles }}$
-_ $\frac{\text { blue }}{\text { all marbles }}$
2.) Mr. Li's gym class has 14 football players and 8 soccer players. Diagram and list the following ratios.

Diagram
$\qquad$ football : $\qquad$ soccer, simplify $\qquad$ : $\qquad$
$\qquad$ football : $\qquad$ athletes, simplify $\qquad$ : $\qquad$
-_ $\frac{\text { soccer }}{\text { athletes }}$
simplify $-\frac{\text { soccer }}{\text { athletes }}$
3.) 7 tacos orders were taken to 14 burritos. Diagram and list the following ratios.

Diagram

simplify $-\frac{\text { tacos }}{\text { burritos }}$
simplify $\frac{\text { tacos }}{\text { total orders }}$
$\qquad$ burritos: $\qquad$ orders, simplify $\qquad$ burritos: $\qquad$ orders
4.) The Phone Shack sold 9 iPhones and 6 Droids. Diagram and list the ratios.

