oring Ratios - Novice

Name: Key

Learning Goals:

- 1. I will be able to understand and use two and three term ratios in word problems
- 2. I will be able to make equivalent ratios
- 3. I will be able to compare ratios

Learning Goal #1: Ratios











2. The ratio of cats to dogs is 25:5. Put this in lowest terms

5:1

3. The ratio of soccer balls to basketballs is 1:3. Is there are 9 basketballs, how many soccer balls are there? Show your work. 3 = 3.9

Learning Goal #2: Equivalent Ratios

- 1. List four equivalent ratios for 4:3
 - a. <u>8</u>:6
 - b. 12 : 9
 - c. 16:12
 - d. 20 : 15
- answers will vary
- 2. Write the following ratios in simplest form
 - a. $5:15 \rightarrow \underline{\ /\ :\ 3}$
 - b. $3:9 \rightarrow / : 3$
 - c. 4:12→ _/_:_3__

ning Goal #3: Comparing Ratios

- 1. Make the following ratio with the first term "1"
 - a. $4:12 \rightarrow 1: 3$
 - b. 5:10 → / : 2
 - c. 2:8 → <u>l</u>: <u>U</u>
 - d. 3:18 → ____:__6__
- 2. In a basketball game, Gurshan made 6 of 10 free shots. Dakota made 3 of 4. Who had more free shots? Explain you answer:

3. In the Grade 7 population at SMS there are 4 skiers for every 6 snowboarders. In the grade 8 population at SMS there are 5 skiers for every 10 snowboarders. Which group has a larger population of skiers? Explain your answer:

4. In the 8-3 class there is a ratio of 4 girls for every 5 boys. In the 8-2 classroom there is a ratio of 3 girls for every 4 boys. Which class has the higher male population? Explain your answer:

8-2's ratio of boys population is larger.

5. In the hockey skills competition Sidney Crosby scored on 5 of his 6 shots. Henrik Sedin scored on 6 of his 7 shots. Whose performance was better? Explain your answer:

6xb 7xb



Henrik Sedin's ratio is better