Joring Ratios – Apprentice

Name:

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

1. Write two ratios from the below picture, making sure you identify each ratio.











2 snails: 3 starfish

2 Snails: Stotal sea creatures

3 starfish: 5 total sea creatures

2. The ratio of cats to dogs to hamsters is 24:8:12. Put this in lowest terms

3. The ratio of soccer balls to basketballs to baseballs is 2:3:4. If there are 12 basketballs, how many soccer balls are there? Show your work.

Soccer: basketball: baseball

2:3:4=8:12:16

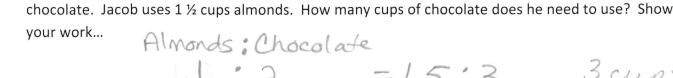
Learning Goal #2: Equivalent Ratios

- 1. List four equivalent ratios for 5:12

answers will vary

- 2. There are 26 students in the 8-3 class. The ratio of boys to girls is 6:7. How many boys are there? Show your work?

boys 62 12 there are 12 boys in the total 13x2 26 class.



Xavier makes almond bark for Christmas treats. The recipe calls for 1 cup almonds for every 2 cups

Learning Goal #3: Comparing Ratios

- Make the following ratio with the first term "1"
 - a. $4:12 \rightarrow _{} _{} : 3$
 - b. 5:9 → / : 1.8
 - c. $2:7 \to 1 : 3.5$
 - d. 3:20 → 1 :6.
- 2. In a basketball game, Gurshan made 6 of 11 free shots. Lovlesh made 3 of 7. Who had more free shots? Explain you answer:

$$\frac{6 \times 7}{11 \times 7} \quad \frac{3 \times 11}{7 \times 11} = \frac{42}{77} \quad \frac{33}{77}$$

Burshan's ratio was better

3. In the Grade 7 population at SMS there are 4 skiers for every 7 snowboarders. In the grade 8 population at SMS there are 5 skiers for every 9 snowboarders. Which group has a larger population of skiers? Explain your answer:

Grade 7's had a 4:7=36:63 larger ratio of Skiers 5:9=35:63

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:

5. In the hockey skills competition Sidney Crosby scored on 5 of his 7 shots. Henrik Sedin scored on 6 of his 8 shots. Whose performance was better? Explain your answer:

Henrik Sedins