Comparing Ratios & Rates

Name: _____ Date: _____ Grade 6

1. Ella has 3 red beads and 6 yellow beads. Omar has 5 red beads and 15 yellow beads. Who has the greater ratio of red beads to yellow beads? Explain your thinking.

A Ella **B** Omar **C** They have the same ratio.

2. A bulk food store sells snacks by the ounce.

a Complete the table.

Item	Price ($)	Number of Ounces	Price per Ounce ($)
Almonds	12	24	
Cashews	15	10	
Raisins	4	16	
Walnuts	21	14	
Dried cherries	4.50	6	

b Which item has the lowest price per ounce? Explain your thinking.

3. Here are three mixtures of purple paint.

- Mixture A: 10 teaspoons of blue paint and 4 teaspoons of red paint
- Mixture B: 6 teaspoons of blue paint and 3 teaspoons of red paint
- Mixture C: 15 teaspoons of blue paint and 5 teaspoons of red paint

Which mixture is the **most blue**? Explain your thinking.

4. **The Hawks won 12 games and lost 6. The Owls won 15 games and lost 5. Which team had the greater ratio of wins to losses? Explain your thinking.**

A The Hawks **B** The Owls **C** They have the same ratio.

5. **Concert tickets cost different amounts on different days. Ana paid $54 for 6 tickets. Ben paid $28 for 4 tickets. Cal paid $40 for 5 tickets. Who paid the lowest price per ticket? Explain your thinking.**

A Ana **B** Ben **C** Cal

6. **Rae swam 100 meters in 80 seconds. Sol swam 250 meters in 200 seconds. Both swam at a constant speed. Who swam faster? Explain your thinking.**

A Rae **B** Sol **C** They swam at the same speed.

7. **Tia ran 4 miles in 36 minutes. Uma ran 6 miles in 51 minutes. Both ran at a constant speed. Did they run at the same speed? Explain your thinking.**

8. **Vic paid $10.50 for 3 pounds of cheese. Wen paid $14 for 3.5 pounds of cheese. Wen says she paid less per pound than Vic. Is Wen correct? Explain your thinking.**