

For Exercises 1-3, determine if each pair of ratios or rates are equivalent. Explain your reasoning.

1. 180 Calories in 3 servings; 360 Calories in 5 servings 1. _____
2. \$18 for 6 hours of work; \$21 for 7 hours of work 2. _____
3. 20 miles in 2 hours; 60 miles in 6 hours 3. _____
4. PHONE USAGE Kelly uses 160 minutes on her cell phone in 4 days. David uses 120 minutes on his cell phone in 3 days. Are their rates of using cell phone minutes the same? Explain your reasoning. 4. _____
5. BASKETBALL If the Florida Gators score 150 points in 3 games, how many points could be predicted in the next 15 games? 5. _____
6. BATTERIES A package of 20 batteries costs \$12. At this rate, how much should a package of 10 batteries cost? 6. _____
7. SLIME Pedro is making orange slime for his volcano project. He mixes 24 parts of cornstarch with 12 parts of water. How many parts of water will he need with 20 parts of cornstarch? 7. _____

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Name _____ # _____

Write each rate as a unit rate. You MUST show the equation for each problem! Show work on back if necessary.

1. 300 miles on 15 gallons of gas... _____ ÷ _____ = _____
2. 135 points scored in 18 games... _____ ÷ _____ = _____
3. 425 students and 20 teachers... _____ ÷ _____ = _____
4. \$5 for 8 pounds of potatoes... _____ ÷ _____ = _____
5. \$273 for 30 ounces of gold... _____ ÷ _____ = _____
6. \$12.50 for 2 used video games... _____ ÷ _____ = _____

Circle the better buy and then tell by how much is it the better buy...

7. \$38 for 20 baseballs OR \$27.75 for 15 baseballs
8. by how much? _____ per baseball
9. \$9.80 for 35 bracelets OR \$16.90 for 65
10. by how much? _____ per bracelet