

Unit: Ratios and Proportions

Name: _____

Lesson 1: Ratios and Unit Rates

Hour: _____

Assignment 1

Find the unit rate. Round your answer to the nearest hundredth.

1. type 800 words in 12 minutes
_____ words per minute

2. 192 students in 4 buses
_____ in each bus

3. 8 ducks for \$23.60
\$_____ per duck

4. 3 pizzas for \$19.99
_____ each

5. 3500 calories for 6 servings of pie
_____ calories per serving

6. 357 miles in 5 hours
_____ miles per hour

7. $\frac{351 \text{ chairs}}{27 \text{ rows}} = \frac{? \text{ chairs}}{\text{row}}$

8. $\frac{408 \text{ jelly beans}}{12 \text{ boxes}} = \frac{? \text{ jelly beans}}{\text{box}}$

Which is the better buy?

9. A 12.5 ounce bag of Doritos for \$3.79 or a 3 ounce bag for \$1.00?

10. 12 bars of soap for \$10.00 or 5 bars of soap for \$4.00?

11. 48oz Big Gulp for \$1.39 or 32oz Coca-Cola for \$0.89

12. A box of 84 penguins for \$13,597 or a bag of 5 penguins for \$795.95?

Back side too!

Simplify the complex fraction and find the unit rate. Round to the nearest thousandth, if necessary.

13. $\frac{\frac{3}{2}}{\frac{6}{6}}$

14. $\frac{\frac{9}{2}}{\frac{12}{7}}$

15. $\frac{\frac{1}{4}}{\frac{1}{10}}$

16. $\frac{\frac{6}{1}}{\frac{6}{6}}$

17. $\frac{\frac{3}{5}}{\frac{1}{7}}$

18. $\frac{\frac{1}{8}}{\frac{1}{10}}$

19. $\frac{3\frac{1}{2}}{4\frac{1}{5}}$

20. $\frac{\frac{1}{3}}{1\frac{1}{2}}$