

Name: _____

Unit Rate Homework

Finding unit Rates

When the denominator of a rate is 1, we call the rate a **unit rate**. We usually use the key word **per** or the division symbol / to indicate a unit rate. For example:

If a student earns \$8.50 per hour, it is the same as \$8.50/hour, and means \$8.50 for every 1 hour of work.

Find each 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. 357 miles in 5 hours _____ miles per hour	4. 8 ducks for \$23.60 \$_____ per duck
5. a 10-lb bag of cherries for \$33.49 _____ per lb	6. 12 chickens lay 30 eggs _____ eggs per chicken
7. Earn \$134 in 8 hours _____ per hour	8. 3 pizzas for \$19.99 _____ each
9. 3500 calories for 6 servings of pie _____ calories per serving	10. 351 chairs in 27 rows _____ chairs in each row
11. \$37.29 for 2 pairs of jeans. _____ each	12. \$37.29 for 2 pairs of ducks _____ per duck
13. 24 senior citizens in 12 RVs _____ in each RV	14. 7 penguins for \$188.88 _____ each

15)

A museum has plaques showing information about dinosaurs. The Stegosaurus was estimated to have weighed 3.71×10^3 pounds. The Tyrannosaurus was estimated to have weighed 1.24×10^4 pounds. What is the difference, in pounds, of the two estimated weights?

17)

Light travels at a rate of about 186,000 miles per second. What is 186,000 written in scientific notation?

16)

The bloodhound, a type of dog, has 4.0×10^9 scent receptors in its nose. A typical human has 1.2×10^7 scent receptors. How many times more scent receptors does a bloodhound have than a human? Round your answer to the nearest whole number.