NAME:

__PERIOD: _____DATE: ___

FIND THE UNIT RATE ROUND EACH ANSWER TO THE NEAREST TENTH.

1. Type 800 words in 12 minutes

UU 67 words/min

3. A 10-lb bag of cherries for \$33.49

1335/1 pound

5. 3500 calories for 6 servings of pie

7. 24 senior citizens in 12 RVs

2 citizans/KV

WHICH IS THE BETTER BUY?

8. A 12.5-oz. bag of Doritos for \$3.79 or a 3-oz. bag for \$1.00. 10 33 1030 125 or bagis the better deal 9. 12 bars of soap for \$10.00 or 5 bars of soap for \$4.00. \$0 83 Sbars/14 is the better deal 10. A box of 84 penguins for \$13,597 or a bag of 50 penguins for \$795.95.

Bag of 50 penguins is the better deal

FOR EACH PROBLEM BELOW, FIND THE UNIT RATE, THEN USE THE UNIT RATE TO ANSWER THE QUESTION.

11. Jesus bought 3 pairs of jeans for \$71.40. How much would he need to pay for 8 pairs of jeans?

$$\frac{7140}{3 \text{ pairs}} = \frac{2380}{1 \text{ pairs}} \times 8 = \frac{19040}{8 \text{ pairs}}$$

12. Morgan scored 41 points in 3 games. How many points would you expect him to make in an 11-game season.

357 miles in 5 hours 2.

71 4 miles/hr

- 4. Earn \$134 in 8 hours "|675/hour
- 6. \$37.29 for 2 pairs of jeans. *18 US/1 pair

USING THE UNIT RATES GIVEN, CONVERT THEM INTO THE DESRIED UNITS OF MEASUREMENT.

13. 55 miles per hour = _____ miles per minute

$$\frac{55mi}{1 \text{ hK}} \times \frac{1\text{ hK}}{60 \text{ min}} = \frac{55}{60 \text{ min}} = 0.92 \text{ mi/min}$$
14. 6 feet per minute = ______ feet per second

$$\frac{64 \text{ feet}}{1 \text{ miK}} \times \frac{1 \text{ miK}}{60 \text{ sec}} = \frac{64 \text{ fet per second}}{1 \text{ sec}}$$
15. 45 miles/hour = ______ feet/second

$$\frac{45mi}{1 \text{ miK}} \times \frac{5.286 \text{ ff}}{1 \text{ min}} \times \frac{1 \text{ hK}}{3 \text{ soo sec}} = \frac{237.600 \text{ ff}}{3000 \text{ sec}} = 0.00 \text{ ff}/\text{sec}$$
16. 8 gallons/hour = ______ pints/minute

$$\frac{8 \text{ gat}}{1 \text{ bettk}} \times \frac{4 \text{ pts}}{1 \text{ qt}} \times \frac{1 \text{ qts}}{3 \text{ gat}} \times \frac{1 \text{ bK}}{60 \text{ min}} = \frac{0.4 \text{ pints}}{0.00 \text{ min}} = \frac{1.07 \text{ pts}}{1 \text{ min}}$$