

Name:

Period:

SCORE:

/13

HW 7-1B

Int 1

Intro. to Rates and Unit Rates

Unit 7

For problems 1 – 4, find each unit rate. Round to the nearest hundredth, if necessary.

1. 360 miles in 6 hours

2. 6,840 customers in 45 days

The unit rate is _____

The unit rate is _____

3. 45.5 meters in 13 seconds

4. \$7.40 for 5 pounds

The unit rate is _____

The unit rate is _____

5. What is the unit rate for 12 pairs of socks that sell for \$5.79?

6. The results of a swim meet are shown. Who swam the fastest? EXPLAIN your reasoning.
(Round to the tenths)

Name	Event	Time (s)
Tawni	50-m Freestyle	40.8
Pepita	100-m Butterfly	60.2
Susana	200-m Medley	112.4

7. Ben can type 153 words in 3 minutes. At his rate, how many words can he type in 10 minutes?

8. Kenji buys 3 yards of fabric for \$7.47. Then, he realizes he needs 2 more yards. How much will the extra fabric cost?

9. **EXTRA CREDIT!:** At Tire Depot, a pair of new tires sells for \$216. At Big O'Tires they sell the same tires a rate of \$380 for 4 tires. How much do you save if you purchase the tires at Big O'Tires?

10. Find the error. Seth is trying to find the unit price for a package of blank CD's on sale at 10 for \$5.49. Find his mistake and correct it.

Seth's Work:
 $10 \div \$5.49$ means the CD's were \$1.82 each.

For problems 11 – 14 find each unit rate. Round to the nearest hundredth if necessary.

11. 150 people for 5 classes

12. 815 calories in 4 servings

The unit rate is _____

The unit rate is _____

13. \$1.12 for 8.2 ounces

14. 144 miles on 4.5 gallons

The unit rate is _____

The unit rate is _____