

Unit Test STUDY GUIDE Calculator ok ☺

1. Paul took a trip in May. He paid \$2.50 per gallon of gasoline while on the trip. He filled his van four times over the trip. The amounts he bought were: 12.735 gallons, 12.334 gallons, 11.876 gallons, and 12.005 gallons.

a. How much gasoline did he buy on the trip? Show your number sentence.

$$12.735 + 12.334 + 11.876 + 12.005 =$$

$$48.95$$

gallons

b. What was his total cost for gasoline on the trip? Show your number sentence.

$$2.50 \times 48.95 = \$122.38$$

c. His odometer (which measures distance traveled) read 20,561.3 miles when he pulled out of his driveway and 22,404.1 miles when he returned. How many miles did he travel on the trip? Show your number sentence.

$$\begin{array}{r} 22,404.1 \\ - 20,561.3 \\ \hline 1,842.8 \text{ miles} \end{array}$$

Name

Date

Class

Unit Test **Decimal Ops - CALCULATOR** ok ☺

2. The total bill for drinks and a pizza for three people is \$13.80 before tax.

a. The sales tax is 7%. What will be the amount of sales tax added to the bill? Show your number sentence.

$$.07 \times 13.80 = \$.97$$

b. The group wants to leave a 20% tip on the cost of the food, not including tax. What will be the amount of the tip? Show your number sentence.

$$.20 \times 13.80 = \$ 2.76$$

c. How much should each person pay if they are to share the bill equally? Show your number sentence.

$$13.80 + .97 + 2.76 = \$ 17.53$$

3. The weight of an object is affected by gravity. Something that Weighs 1 pound on Earth will weigh 1.23 times that weight (or 1.23 pounds) on Saturn.

a. If a rock weighs 4 pounds on Earth, what will it weigh on Saturn?

$$4 \times 1.23 = 4.92 \text{ pounds}$$

b. If a rock weighs 4.92 pounds on Saturn, what will it weigh on Earth?

$$4.92 \div 1.23 = 4 \text{ pounds}$$