

Name _____

Real World Math

Date _____

Period _____

Unit 5 Final Exam Review

Math & Travel

1. A few months before taking a trip Sally wants to figure out exactly how much her vacation will cost. Use the following information to answer questions a-c and remember to show your work. If necessary, round to the nearest cent.

They are planning a 7-day, 6-night trip. The hotel costs \$93 per night. They plan to spend \$300 on souvenirs and will rent a car at \$38 per day. They estimate to spend \$110 for gas and will eat 20 meals for 3 people at about \$10 per meal. The round-trip airline tickets cost \$321 each.

- a. What will be the total cost of the trip?
- b. What will the total cost be for each person?
- c. What will the cost be per person per day?
2. You travel to Canada and 1 US Dollar = 1.16 Canadian Dollars. You find a pair of pants for 45 Canadian Dollars. How much is this in US Dollars?

For questions 3-4, use the table of currency exchange rates to...

- a. determine if you were charged the correct amount
(Round to the nearest cent)
- b. if not, what is the difference between the purchase price and how much you were charged (in terms of the Foreign currency)

Euro	Canadian Dollar	Mexican Peso
.76	1.16	10.78

3. In Mexico, your friend said he bought a great pair of pants for \$35. You find the store he recommended and are charged 377.3 Pesos.
- a.
 - b.
4. Your travel agent said she found you a hotel in Spain that costs \$75 per night. When you arrived, they charged you 70 Euros.
- a.
 - b.
5. You are serving in the United States Army and often write letters to your family at home. If the cost of mailing a first-class letter is \$0.23 for the first half-ounce, plus \$0.19 for each additional half-ounce, how much would it cost to send home a 3 oz. letter?
6. You are studying abroad for a semester during college. It's your grandmother's birthday and you bought her a gift that you have to mail. The cost of mailing the package is \$2.35 for the first half of a pound and then \$1.15 for each additional half-pound. How much would it cost to mail the 2-pound gift?

The following formula is used to convert temperatures from degrees Celsius to degrees Fahrenheit. Use this formula to answer questions 7-8.

$$F = \frac{9}{5}C + 32$$

7. You are in Japan and the weatherman says it is 22°C. What is the temperature in degrees Fahrenheit? (Round to the nearest degree)

8. Your cousin is visiting Ecuador and called to say the daily high temperature yesterday reached 45°C . What would this be in degrees Fahrenheit? (Round to the nearest degree)

Use the U.S. Timezone Map below to answer questions 9 and 10. Don't forget to show your work.

9. Sally is taking a flight from her hometown of Sacramento, CA to Atlantic City, NJ. If the flight departs at 8:22 am and lasts 4 hours and 33 minutes, what will the local time be when they reach their destination?
10. The return flight Sally found departs Atlantic City, NJ at 8:34pm. If the flight lasts 4 hours 11 minutes, what time should they plan to arrive back home in Sacramento, CA?

US Timezone Map

