Practice Problems for Measurement
from www.topmath.info

1 Right now, the price of a video game is $12.80. If the price increases by 21%, what will the new price be (to the nearest cent)?

2 Tom has 4 dimes, 5 nickels, and 11 pennies. What is the total amount of money in dollars?

3 A boy has 8 quarters, 9 dimes, 3 nickels, and 11 pennies. What is the total amount of money in dollars?

4 If a piece of wire 390 inches long is cut into as many 2-foot segments as possible, how many inches of wire will be left over?

5 How many square millimeters are in a square meter?

6 How many cups are in a half gallon?

7 To the nearest gallon, how many gallons equal 72 liters?

8 How many micrograms equal 9.6 grams?

9 A change in temperature of 25 Celsius degrees is equivalent to a change of how many Fahrenheit degrees?

10 At how many Fahrenheit degrees does water freeze?

Practice Problems for Measurement

11 A temperature of 88 degrees Fahrenheit is equivalent to a temperature of how many degrees Celsius (rounded to the nearest tenth)?

12 How many ounces are in 9 pounds and 12 ounces?

13 A pile of sand weighing 361 ounces is to be divided into 1-pound bags. How many ounces of sand will be left over?

14 Eric drives to Keenaville at an average speed of 20 miles per hour. Eric makes the return trip at an average speed of 40 miles per hour. If the total driving time is 6 hours, what is the total distance driven?

15 Bob traveled at 90 kilometers per hour for 10 hours. What was the total number of kilometers that Bob traveled?

Practice Problems for Measurement
from www.topmath.info

1 ANSWER: $15.49. EXPLANATION: Increasing the price of something by 21% is the same as multiplying the price by 1.21. Multiply $12.80 by 1.21 and round your answer to the second decimal point to obtain the answer.

2 ANSWER: 0.76

3 ANSWER: 3.16

4 ANSWER: 6

5 ANSWER: 1000000

6 ANSWER: 8

7 ANSWER: 19

8 ANSWER: 9600000

9 ANSWER: 45

10 ANSWER: 32

11 ANSWER: 31.1

12 ANSWER: 156

13 ANSWER: 9

14 ANSWER: 160 miles. EXPLANATION: Since the trip to Keenaville is at half the speed of the return trip, it must have taken twice as long as the return trip, or 2/3 of the total time. Since the total time is 6 hours, the trip to Keenaville must be 4 hours long. We multiply this number by the speed of the first trip to get the distance one way, and then double it to get the total distance.

15 ANSWER: 900