

Practice Problems for Measurement
from www.topmath.info

1 If a piece of ribbon 128 inches long is cut into as many one foot segments as possible, how many inches of ribbon will be left over?

2 How many square inches are in a square yard?

3 How many cups are in a pint?

4 How many fluid ounces are in a gallon?

5 How many micrograms equal one kilogram?

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6 What prefix means 10 to the -9 power?

7 A temperature of 41 degrees Fahrenheit is equivalent to a temperature of how many degrees Celsius?

8 A temperature of 114 degrees Celsius is equivalent to a temperature of how many degrees Fahrenheit (rounded to the nearest tenth)?

9 How many grams are in 6.1 kilograms?

10 A pile of sugar weighing 242 ounces is to be divided into 1 -pound bags. How many ounces of sugar will be left over?

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- 11 George drives to Richaneau at an average speed of 21 miles per hour. George makes the return trip at an average speed of 42 miles per hour. If the total driving time is 3 hours, what is the total distance driven?
- 12 Jack traveled at 68 kilometers per hour for 6 hours. What was the total number of kilometers that Jack traveled?
- 13 Bob has 4 nickels and 3 pennies. How many cents is that?
- 14 Right now, the price of a backpack is \$24.19. If the price decreases by 24%, what will the new price be (to the nearest cent)?
- 15 Tom has 5 dimes, 9 nickels, and 7 pennies. What is the total amount of money in dollars?

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1 ANSWER: 8

2 ANSWER: 1296

3 ANSWER: 2

4 ANSWER: 128

5 ANSWER: 1000000000

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6 ANSWER: nano

7 ANSWER: 5

8 ANSWER: 237.2

9 ANSWER: 6,100

10 ANSWER: 2

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11 ANSWER: 84 miles. EXPLANATION: Since the trip to Richaneau is at half the speed of the return trip, it must have taken twice as long as the return trip, or $\frac{2}{3}$ of the total time. Since the total time is 3 hours, the trip to Richaneau must be 2 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.

12 ANSWER: 408

13 ANSWER: 23

14 ANSWER: \$18.38. EXPLANATION: Decreasing the price of something by 24% is the same as multiplying the price by 0.76. Multiply \$24.19 by 0.76 and round your answer to the second decimal point to obtain the answer.

15 ANSWER: 1.02