

Practice Problems for Measurement
from www.topmath.info

1 How many feet does it take to equal 288 inches?

2 If George swam 2.94 km on Monday, and 924 meters on Tuesday, what is the total number of meters that George swam?

3 How many cubic millimeters are in a cubic meter?

4 How many fluid ounces are in a pint?

5 How many milligrams equal one gram?

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6 The prefix mega means 10 to what power?

7 A temperature of 0 degrees Celsius is equivalent to a temperature of how many degrees Fahrenheit?

8 A change in temperature of -17 Fahrenheit degrees is equivalent to a change of how many Celsius degrees (rounded to the nearest tenth)?

9 How many grams are in 3 kilograms?

10 How many grams are in 85.727 kilograms?

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11 In one week, Fred spent 72, 125, 126, 92, and 125 minutes playing cards. To the nearest hundredth of an hour, what was the total in hours?

12 Shirley traveled at 290 miles in 5 hours. What was the average speed in miles per hour that Shirley traveled?

13 Richard has 3 nickels and 4 pennies. How many cents is that?

14 Right now, the price of a t-shirt is \$11.31. If the price increases by 3%, what will the new price be (to the nearest cent)?

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

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1 ANSWER: 24

2 ANSWER: 3864

3 ANSWER: 1000000000

4 ANSWER: 16

5 ANSWER: 1,000. EXPLANATION: The prefix milli means $1/1,000$. Therefore, there are 1,000 milligrams in one gram.

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6 ANSWER: 6

7 ANSWER: 32

8 ANSWER: -9.4

9 ANSWER: 3,000

10 ANSWER: 85,727

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11 ANSWER: 8.78

12 ANSWER: 57

13 ANSWER: 19

14 ANSWER: \$11.65. EXPLANATION: Increasing the price of something by 3% is the same as multiplying the price by 1.03. Multiply \$11.31 by 1.03 and round your answer to the second decimal point to obtain the answer.

15 ANSWER: 0.56