

**Practice Problems for Measurement**  
from [www.topmath.info](http://www.topmath.info)

1 A girl has 4 quarters, 3 dimes, 4 nickels, and 8 pennies. What is the total amount of money in dollars?

2 How many inches equal 2 feet and 6 inches?

3 If Lisa ran 1.53 km on Monday, and 815 meters on Tuesday, what is the total number of meters that Lisa ran?

4 How many cubic millimeters are in a cubic centimeter?

5 How many quarts are in a gallon?

**Practice Problems for Measurement**  
from [www.topmath.info](http://www.topmath.info)

6 How many microliters equal one liter?

7 The prefix nano means 10 to what power?

8 A temperature of 20 degrees Celsius is equivalent to a temperature of how many degrees Fahrenheit?

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

10 How many grams are in 2 kilograms?

**Practice Problems for Measurement**  
from [www.topmath.info](http://www.topmath.info)

11 How many grams are in 94.689 kilograms?

12 In one week, Gail spent 108, 59, 46, 60, and 59 minutes riding horses. To the nearest tenth of an hour, what was the total in hours?

13 Shirley traveled at 61 miles per hour for 488 miles. What was the total number of hours that Shirley traveled?

14 Fred traveled at 376 kilometers in 8 hours. What was the average speed in kilometers per hour that Fred traveled?

15 Right now, the price of a t-shirt is \$12.16. If the price increases by 11%, what will the new price be (to the nearest cent)?

**Practice Problems for Measurement**  
from [www.topmath.info](http://www.topmath.info)

1 ANSWER: 1.58

2 ANSWER: 30

3 ANSWER: 2345

4 ANSWER: 1000

5 ANSWER: 4

**Practice Problems for Measurement**  
from [www.topmath.info](http://www.topmath.info)

6 ANSWER: 1,000,000. EXPLANATION: The prefix micro means  $1/1,000,000$ . Therefore, there are 1,000,000 microliters in one liter.

7 ANSWER: -9

8 ANSWER: 68

9 ANSWER: -48.9

10 ANSWER: 2,000

**Practice Problems for Measurement**  
from [www.topmath.info](http://www.topmath.info)

11 ANSWER: 94,689

12 ANSWER: 5.5

13 ANSWER: 8

14 ANSWER: 47

15 ANSWER: \$13.50. EXPLANATION: Increasing the price of something by 11% is the same as multiplying the price by 1.11. Multiply \$12.16 by 1.11 and round your answer to the second decimal point to obtain the answer.