

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

1 How many microliters equal one megaliter?

2 What prefix means  $10$  to the  $-6$  power?

3 A temperature of  $32$  degrees Fahrenheit is equivalent to a temperature of how many degrees Celsius?

4 A temperature of  $-23$  degrees Celsius is equivalent to a temperature of how many degrees Fahrenheit (rounded to the nearest tenth)?

5 How many grams are in  $8.7$  kilograms?

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6 A pile of salt weighing 574 ounces is to be divided into 2-pound bags. How many ounces of salt will be left over?

7 In one week, Bob spent 95, 42, 61, 82, and 42 minutes playing baseball. To the nearest hundredth of an hour, what was the total in hours?

8 Richard traveled at 424 miles in 8 hours. What was the average speed in miles per hour that Richard traveled?

9 Claire has 6 nickels and 9 pennies. How many cents is that?

10 Right now, the price of a t-shirt is \$13.35. If the price decreases by 20%, what will the new price be (to the nearest cent)?

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11 Eric has 8 dimes, 7 nickels, and 3 pennies. What is the total amount of money in dollars?

12 How many inches equal 7 feet?

13 If Adam swam 1.11 km on Monday, and 583 meters on Tuesday, what is the total number of kilometers that Adam swam?

14 How many cubic feet are in a cubic yard?

15 How many pints are in a half gallon?

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1 ANSWER: 1000000000000

2 ANSWER: micro

3 ANSWER: 0

4 ANSWER: -9.4

5 ANSWER: 8,700

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6 ANSWER: 30

7 ANSWER: 5.95

8 ANSWER: 53

9 ANSWER: 39

10 ANSWER: \$10.68. EXPLANATION: Decreasing the price of something by 20% is the same as multiplying the price by 0.8. Multiply \$13.35 by 0.8 and round your answer to the second decimal point to obtain the answer.

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11 ANSWER: 1.18

12 ANSWER: 84

13 ANSWER: 1.693

14 ANSWER: 27

15 ANSWER: 4