Practice Problems for Measurement
from www.topmath.info

1 How many millimeters equal 6.8 gigameters?

2 A change in temperature of 27 Fahrenheit degrees is equivalent to a change of how many Celsius degrees?

3 At how many Celsius degrees does water freeze?

4 A temperature of -82 degrees Fahrenheit is equivalent to a temperature of how many degrees Celsius (rounded to the nearest tenth)?

5 How many pounds does it take to equal 96 ounces?

6 In one week, Adam spent 45, 58, 77, 31, and 58 minutes playing baseball. To the nearest hour, what was the total in hours?

7 Elaine traveled at 37 miles per hour for 4 hours. What was the total number of miles that Elaine traveled?

8 Leah traveled at 84 kilometers per hour for 504 kilometers. What was the total number of hours that Leah traveled?

9 Lisa has 2 more dimes than nickels, and 6 more quarters than dimes. If the number of nickels that Lisa has is x, what formula gives the total value of Lisa's coins in cents?

10 Right now, the price of a book is $12.94. If the price increases by 11.5%, what will the new price be (to the nearest cent)?

11 A man has 7 quarters, 2 dimes, 2 nickels, and 6 pennies. What is the total amount of money in dollars?

12 How many feet does it take to equal 84 inches?

13 How many square feet are in a square yard?

14 How many cubic centimeters are in a cubic meter?

15 How many fluid ounces are in a quart?

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1 ANSWER: 6,800,000,000,000

2 ANSWER: 15

3 ANSWER: 0

4 ANSWER: -63.3

5 ANSWER: 6

6 ANSWER: 5

7 ANSWER: 148

8 ANSWER: 6

9 ANSWER: 40x + 220. EXPLANATION: If Lisa has no nickels, then Lisa has 2 dimes (20 cents), and 8 quarters (200 cents), for a total of 220 cents. Each nickel also implies an extra dime and quarter, for a total of 40 cents. Therefore, Lisa has 40 cents for each nickel (40x), plus 220 cents in dimes and quarters when there are no nickels.

10 ANSWER: $14.43. EXPLANATION: Increasing the price of something by 11.5% is the same as multiplying the price by 1.115. Multiply $12.94 by 1.115 and round your answer to the second decimal point to obtain the answer.

11 ANSWER: 2.11

12 ANSWER: 7

13 ANSWER: 9

14 ANSWER: 1000000

15 ANSWER: 32