Conversions Worksheet

Directions: Using the Conversion Factors table, convert the following units. Show all work. Circle your answer.
1. 50 meters to millimeters
2. 8 tablespoons to millimeters
3. 10 liters to gallons
4. 50 pounds to kilograms
5. $200 (U.S.) to pesos
6. 50 mph to feet/second
7. 25 grams/liter to ounces/quart
8. 12 feet/hour to inches/second
9. 20 liters/hour to millimeters/minute
10. 15 pounds/yard to kilograms/meter
11. 5 feet/second to meters/seconds
12. 24 miles/gallon to kilometers/liter
13. 25 ounces/second to cups/hour
14. 14 pounds to kilograms
15. 16 tablespoons to milliliters
16. 250 meters to millimeters
17. 30 liters to gallons  
18. 30 mph to feet/second

19. $300 (U.S.) to pounds  
20. 25 feet/hour to inches/second

21. 17 grams/liter to ounces/quart  
22. 55 feet/second to meters/second

23. 60 liters/hour to milliliters/minute  
24. 55 pounds/yard to kilograms/meter

25. 45 ounces/second to cups/hour  
26. 65 miles/gallon to kilometers/liter

27. You are making a chocolate cake. The recipe calls for 1 pound of semi-sweet chocolate. How many grams is this?

28. A pitcher throws a 98 mph fastball. How fast is this in feet/second?

29. A recipe for fudge calls for 3 cups of sugar. You only have a measuring cup that is marked in milliliters. How many milliliters is 3 cups?

30. A car is going 75 mph. How fast is this in kph?
31. What number increased by 20% is 70.

32. 30 is what percent of 80?

33. A price decreased from $50 to $20. Find the percent of decrease.

34. If I = $450, p = $6000, and t = 5 years, find the percentage rate.

35. What is 40% more than 120?

36. What number is 20% of 150?

37. Joe received a 20% discount on a $300 stereo, then he had to pay 8% sales tax. What was his final price?

38. 60 is 40% of what number?

39. What number increased by 30% is 58?

40. A price increased from $150 to $220. Find the percent of increase.
41. If I = $45, r = 2.5\%, \text{ and } t = 3 \text{ years } 6 \text{ months}, \text{ find the principal.}

42. The original price on a pair of tires was $350. Today there is a 20\% \text{ discount with 5\% sales tax. Calculate the final price.}