Metric to Metric Conversions

1. 277 cm to meters
2. 0.62 km to meters
3. 3857 g to milligrams
4. 68.71 kL to liters
5. 856 mg to kilograms
6. 1 210 000 mg to kilograms
7. 0.0059 km to centimeters
8. An automobile uses 0.05 mL of oil for each kilometer it is driven. How much oil in liters is consumed if the automobile is driven 20 000 km?
9. A baker uses 5 mL of vanilla extract in each cake. How much vanilla extract in liters should the baker order to make 800 cakes? (1 tsp = 5 mL)
10. A chemistry teacher needs to determine what quantity of sodium hydroxide to order. If each student will use 130 g and there are 60 students, how many kilograms of sodium hydroxide should the teacher order?
11. At the equator Earth rotates with a velocity of about 465 m/s.
    1. What is this velocity in kilometers per hour?
    2. What is this velocity in kilometers per day?
12. What is the speed of a car in meters per second when it is moving at   
    100. km/h?