| CHAPTER 7, FORM B | BASIC COLLEGE MATHEMATICS |
|---|---|
| NAME: _____ | SECTION: _____ |

*Convert the following measurements.*

1. 7 qt = _____ pt. 1. _____
2. 5 c = _____ fl oz. 2. _____
3. 3 mi = _____ ft. 3. _____
4. 330 min = _____ hr. 4. _____
5. 56 oz = _____ lb. 5. _____
6. 14 c = _____ qt. 6. _____

*Write the most reasonable metric unit in each blank.*
*Choose from km, m, cm, mm, L, mL, kg, g, and mg.*

7. The tube of toothpaste weighs 232 _____. 7. _____
8. The cities are 120 _____ apart. 8. _____
9. She bought a 5 _____ jug of drinking water. 9. _____
10. The diameter of the rope is 10 _____. 10. _____
11. He weighs 60 _____. 11. _____
12. The syringe holds 20 _____ of serum. 12. _____
13. The building is 20 _____ high. 13. _____
14. Each paint brush is 20 _____ long. 14. _____

*Convert the following measurements.*

15. 0.04 kg to milligrams 15. _____
16. 700 mm to meters 16. _____
17. 7.4 L to milliliters 17. _____
18. 490 g to kilograms 18. _____
19. 17 m to centimeters 19. _____
20. 35 mL to liters 20. _____
21. 90 g to milligrams 21. _____

22. 20 km to meters 22. _____

23. Jim cut 65 cm of pipe from a 2 m 20 cm piece of pipe. How long is the piece left over, in meters? 23. _____

24. If each can weighs 1 kg 200 g, how many kilograms do 8 cans weight altogether? 24. _____

*Pick the metric temperature that is most appropriate in each situation.*

25. The temperature of a pond which is almost frozen. 25. _____
0 °C 10 °C 32 °C

26. The temperature to cook a turkey in the oven. 26. _____
50 °C 100 °C 200 °C

*Use a table of conversion factors to convert the following measurements. Round your answer to the nearest tenth, if necessary.*

27. 4 mi to kilometers 27. _____

28. 27 cm to inches 28. _____

29. 18 lb to kilograms 29. _____

30. 9 L to gallons 30. _____

*Use the conversion formulas to convert each temperature. Round your answer to the nearest degree, if necessary.*

31. 220 °F to Celsius 31. _____

32. 60 °C to Fahrenheit 32. _____

*Solve each application problem.*

33. Steven has a piece of material measuring 3 m 12 cm. He cut off 87 cm. How long is the material now, in meters? 33. _____

34. What is the basic unit of weight or mass in the metric system? 34. _____