

EXTRA PRACTICE 31**Converting Units of Capacity, Weight, Mass, Time and Area**

Use after Sections 9.1, 9.3, and 9.5

Name _____

Complete. Recall that the metric prefixes mean the same with liters and grams as they do with meters.

1. 35 L = _____ mL 2. 6.25 L = _____ mL 3. 420 mL = _____ L
4. 56 mL = _____ cm³ 5. 56 mL = _____ L 6. 7820 mL = _____ L
7. 145 cm³ = _____ mL 8. 145 mL = _____ L 9. 145 cm³ = _____ L
10. 0.014 L = _____ mL 11. 2500 L = _____ mL 12. 5000 mL = _____ L
13. 5000 mg = _____ g 14. 2500 g = _____ mg 15. 15 g = _____ mg
16. 135 mg = _____ g 17. 3.6 g = _____ mg 18. 5.7 g = _____ cg
19. 942 cg = _____ g 20. 97 cg = _____ mg 21. 5.2 mg = _____ cg
22. 41 kg = _____ g 23. 1600 g = _____ kg 24. 0.55 cg = _____ mg
25. 0.6 g = _____ cg 26. 7545 cg = _____ g 27. 47 g = _____ kg
28. 347 mg = _____ cg 29. 4.9 kg = _____ g 30. 8.4 cg = _____ mg

Complete.

31. 7 lb = _____ oz 32. 56 oz = _____ lb 33. 5000 lb = _____ T
34. 1.25 T = _____ lb 35. 15 lb = _____ oz 36. 160 oz = _____ lb
37. $20\frac{1}{2}$ lb = _____ oz 38. 1000 lb = _____ T 39. 4 oz = _____ lb

EXTRA PRACTICE 31 (continued)**Converting Units of Capacity, Weight, Mass, Time and Area**Use after Sections 9.1, 9.3, and 9.5

Complete.

40. 5 min = _____ sec 41. 3 days = _____ hr 42. 180 min = _____ hr

43. 3 wk = _____ hr 44. 2400 sec = _____ min 45. 9 wk = _____ days

46. 105 days = _____ wk 47. 15 days = _____ hr 48. 84 hr = _____ days

49. $3\frac{1}{2}$ days = _____ wk 50. 3 yr = _____ days 51. 1 yr = _____ wk
(approximately)

52. 1 yr = _____ hr 53. 1 yr = _____ min 54. $\frac{1}{2}$ yr = _____ days

Complete.

55. $3 \text{ yd}^2 = \text{_____ ft}^3$ 56. $54 \text{ ft}^2 = \text{_____ yd}^2$ 57. $1\frac{1}{2} \text{ yd}^2 = \text{_____ ft}^2$

58. $1 \text{ ft}^2 = \text{_____ yd}^2$ 59. $3 \text{ ft}^2 = \text{_____ in.}^2$ 60. $576 \text{ in.}^2 = \text{_____ ft}^2$

61. $2 \text{ mi}^2 = \text{_____ acres}$ 62. $3520 \text{ acres} = \text{_____ mi}^2$ 63. $3 \text{ cm}^2 = \text{_____ mm}^2$

64. $560 \text{ mm}^2 = \text{_____ cm}^2$ 65. $10 \text{ m}^2 = \text{_____ cm}^2$ 66. $0.5 \text{ m}^2 = \text{_____ cm}^2$

67. $16,000 \text{ cm}^2 = \text{_____ m}^2$ 68. $500,000 \text{ m}^2 = \text{_____ km}^2$ 69. $6.2 \text{ km}^2 = \text{_____ m}^2$

70. $3.5 \text{ m}^2 = \text{_____ cm}^2$ 71. $5000 \text{ m}^2 = \text{_____ km}^2$ 72. $425 \text{ mm}^2 = \text{_____ cm}^2$