

SECTION 2.3

1. The cost is \$2.95 per pound.
3. There were 320 adult tickets sold.
5. The cook must use 22.5 L of imitation maple syrup.
7. The goldsmith used 20 oz of pure gold and 30 oz of the gold alloy.
9. The cost of the tea mixture is \$4.11 per pound.
11. 23.8 gal of cranberry juice was used.
13. 200 lb of the 15% aluminum alloy must be used.
15. You should combine 2.25 oz of 70% rubbing alcohol and 1.25 oz of water.
17. 45 oz of pure water must be added.
19. 300 ml of alcohol must be added.
21. The result is 6% fruit juice.
23. 4 qt will have to be replaced with pure antifreeze.
25. The helicopter overtakes the car 104 mi from the starting point.
27. The first car is traveling 58 mph. The second car is traveling 66 mph.
29. The distance between the two airports is 375 mi.
31. The freight train is traveling 30 mph. The passenger train is traveling 48 mph.
33. The cyclist rode 44 mi.
35. 15 oz of 12 karat gold should be mixed with the 24 karat gold.
37. They are $3\frac{1}{3}$ mi apart.
39. The grass seed is 18 ft from the base of the 40-foot tower.