Chapter 7 Test – Form A

Convert.

1. 10,647 ft to miles and feet

2. 21\(\frac{1}{2}\) gal to quarts

3. 52 oz to pounds

4. 3.7 tons to pounds

5. 28 pt to gallons

6. 5.6 m to millimeters

7. 89 g to kilograms

8. 409 ml to liters

9. 0.68 cm to millimeters

Perform the indicated operations.

10. 7 ft 9 in. + 8 ft 8 in.

11. 9 gal 6 qt – 5 gal 3 qt

12. 5 \times 41 lb 7oz

13. 6 yd 2 ft + 5

14. 1.7km + 391 m

15. 2.5 m – 75 cm

Convert. Round to the nearest tenth of a degree, if necessary.

16. 80° F to degrees Celsius

17. 30° C to degrees Fahrenheit

18. While traveling overseas, Carrie Stewart heard the weather report before going out one evening. The report said that the temperature would drop to 15° C. Carrie wondered if she would need a jacket. Convert 15° C to Fahrenheit.
Chapter 7 Test – Form A (cont’d)

19. Luke Katz burns 240 calories each hour he runs. How many hours does he need to run to burn off a 1200-calorie dessert?  
19. _______________

20. The energy used by a 11,000-BTU heat pump is equivalent to how many foot-pounds?  
20. _______________

21. How many foot-pounds of energy are needed to lift 3 tons of bricks 32 feet?  
21. _______________

22. Runners in an 8 km race run how many miles?  
22. _______________

23. A label on a box shows that the box weighs 150kg. How many pounds is that?  
23. _______________

24. Jessica bought a 4 liter bottle of cola for her party. She estimates that the guests will drink a total of 22 cups of cola. How many more cups of cola will she need? Round your result to the nearest cup.  
24. _______________

25. Which is the measure of the pull of gravity: weight or mass?  
25. _______________