**Unit Conversions**

Try the following conversions.

Convert:

1. 3.68 kg = ? g

2. 568 cm = ? m

3. 8700 ml =? L

4. 25 mg = ? g

5. 0.101 cm = ? mm

6. 250 ml = ? L

7. 600 g = ? kg

8. 8900 mm = ? m

9. 0.000004 m = ? mm

10. 0.250 kg = ? mg

11. 1.6 m into mm

12. 36 g into kg

13. 8 mL into L

14. 1.01 L into mL

15. 18 mm into m

16. 1.54 ×10−10 m into mm

17\*. 400. nm into m

18\*. 0.43 L into dL

19\*. 87 dL into mL

20\*. 9.3 ×10−5 g into μg

21\*. 1.43 kg/L into g/mL

22\*. 470. mi into km

23\*. 86 inches into m

24\*. 30 feet per second into miles per hour

25. Convert 16.7 inches to feet (12 inches in one foot)

26. Convert 25 yards to feet (there are 3 feet in a yard)

27. Convert 90 centuries to years (a century is one hundred years)

28. Convert 84 miles to kilometers (there are 0.6 miles in a kilometer)

29. Convert 4.75 centimeters to meters (100 centimeters in one meter)

30. Convert 48,987 minutes to days (there are 60 minutes in one hour and 24 hours in one day)

31. Convert 27 months to fortnights (there are 14 days in a fortnight and ~30 days in a month)

Answers to 25-31 (in random order)

0.0475 1.4 34 57.9 75 140 9000

days fortnights ft ft km m yr

1 in = 2.54 cm 1 lb = 453.6 g 1 oz = 28.3 g 1 L = 0.265 gal 1 mL = 0.034 fl oz 1 mi = 1.609 km

32. How many inches are in 5 cm?

33. A trip to downtown Seattle to Bellevue is 13.5 miles. How many kilometers is this?

34. A recipe calls for 5 ounces of flour. How many grams is this?

35. A can of juice contains 34.5 fluid ounces. How many milliliters is this?

36. 5.40 gallons is how many liters?

37. How many inches are in 5 meters?

38. How many kilograms are in 150 lbs?

39. How many kilograms are in 899 ounces?

40. How many seconds old are you?

Answers to 32-39 (in random order)

1.97 68 141.5 1015 20.4 21.7 197 25.4

g in in kg kg km L mL