

Homework Problems: Making Unit Conversions

Make the following conversions:

- 1) Convert 16.7 inches to feet

- 2) Convert 25 yards to feet (there are 3 feet in a yard)

- 3) Convert 90 centuries to years

- 4) Convert 84 miles to kilometers (there are 0.6 miles in a kilometer)

- 5) Convert 4.75 centimeters to meters

- 6) Convert 48,987 minutes to days

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

- 8) Convert 0.09 miles to inches (there are 36 inches in a yard and 1760 yards in a mile)

- 9) Convert 4.66 centimeters to miles (there are 0.6 miles in a kilometer)

- 10) Convert 556 degrees Celsius to Kelvins

- 11) Convert 25 Kelvins to degrees Celsius

Homework Solutions: Making Unit Conversions

- 1) Convert 16.7 inches to feet
1.39 feet
- 2) Convert 25 yards to feet (there are 3 feet in a yard)
75 feet
- 3) Convert 90 centuries to years
9,000 years
- 4) Convert 84 miles to kilometers (there are 0.6 miles in a kilometer)
140 km
- 5) Convert 4.75 centimeters to meters
0.0475 meters
- 6) Convert 48,987 minutes to days
34.019 days
- 7) Convert 27 months to fortnights (there are 14 days in a fortnight and ~30 days in a month)
57.4 fortnights
- 8) Convert 0.09 miles to inches (there are 36 inches in a yard and 1760 yards in a mile)
6000 inches
- 9) Convert 4.66 centimeters to miles (there are 0.6 miles in a kilometer)
 2.80×10^{-5} miles
- 10) Convert 556 degrees Celsius to Kelvins
829 K
- 11) Convert 25 Kelvins to degrees Celsius
-248° C