

# Converting Time and Location to Metric Measurements

1. Convert the following hours, minutes and seconds to decimal hours:
  - a) 21 hours, 33 minutes and 16 seconds
  - b) 5 hours, 13 minutes and 29 seconds
  - c) 10 hours, 42 minutes and 2 seconds
  - d) 13 hours, 27 minutes and 57 seconds
  
2. Convert the following decimal hours to hours, minutes and seconds:
  - a) 44.5 hours
  - b) 5.625 hours
  - c)  $12.\bar{3}$  hours
  - d) 73.125 hours
  
3. Convert the following decimal locations to hours, minutes and seconds:
  - a) Nome, Alaska: N 60.5 , W  $165.\bar{6}$
  
  - b) Portland, Oregon: N  $45.54^\circ$  , W  $122.655^\circ$
  
  - c) Lhasa, Tibet: N  $29.685^\circ$  , E  $91.155^\circ$
  
4. Convert the following hours, minutes and seconds to decimal locations:
  - a) London, UK: N  $51.48^\circ$  , W  $0.40^\circ$
  
  - b) Sydney Airport, Sydney, Australia: S 33.95, E 151.17
  
  - c) Cairo, Egypt: \_\_\_\_\_ (look up and convert to decimal degrees)
  
  - d) Georgetown, Guyana: \_\_\_\_\_ N  $6^\circ 48'$  W  $58^\circ 9'$
  
  - e) Your choice \_\_\_\_\_