Metric and Imperial: Hand In

1. Determine how you would convert between the following:
   a. kilometres to metres
   b. inches to yards
   c. feet to miles
   d. centimetres to millimetres
   e. yards to miles
   f. metres to millimeters

2. Convert the following:

   a. 2 m = _____ mm

   b. 3 ft = _____ in

   c. 7500 m = _____ km

   d. 2 miles = _____ ft

   e. 4.7 cm = _____ mm

   f. 7650 cm = _____ m

   g. 3520 yds = _____ mi

   h. 720 000 cm = _____ km

3. Convert the following:
   a. 3 cm, 5 mm = _____ mm

   b. 1 mi, 300 ft = _____ ft

   c. 7 yds, 5 ft = _____ in

   d. 5 m, 32 cm = _____ cm

   e. 5 m, 32 cm = _____ mm

   f. 8 yds, 2 ft = _____ in

4. Perform the following calculations in the metric system.
   a. 2 m + 60 cm into meters only = _____m

   b. 5 km + 8 m into kilometers only = _____km

   c. 3 cm – 5 mm into centimeters only = _____cm

   d. 1 m – 9 cm into meters only = _____m

   e. 2 km – 100 m into kilometers only = _____km

   f. 8 cm – 12 mm into centimeters only = _____cm

5. Perform the following calculations in the imperial system.
   a. 4 ft, 5 in + 7 ft, 3 in into feet only = _____ft

   b. 12 ft, 8 in + 10 ft, 7 in into inches only = _____in

   c. 8 yd, 1 ft – 3 yd, 2 ft into yards only = _____yd

   d. 6 ft, 4 in – 3 ft, 11 in into feet only = _____ft

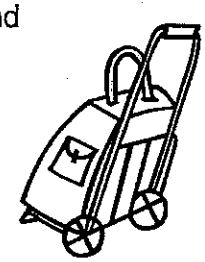
   e. 2 mi – 1000 ft into miles only = _____mi

   f. 9 ft – 10 in into inches only = _____in

6. A florist requires 10 inches of ribbon for each bouquet of flowers she creates. How many bouquets will she be able to create from five yards of ribbon?

7. One piece of wire, 2 ft, 3 in, is attached to another piece of wire 1 yd, 1 ft, 8 in long. What is the length of the new piece if the wires overlap one inch? (answer in feet only)

8. An airline will accept luggage that has a sum of its length, width, and height that is less than 62 inches (L + W + H = 62 in). Will the airline accept a box on its flight if it has the following dimensions: length, 2 ft, 3 in; width, 2 ft; and height 1 ft, 4 in?



9. Convert

a) 222 cm = _____ in

b) 37 yds = _____ m

c) 6 ft = _____ m

d) 11 m = _____ yd

e) 35 mi = _____ km