

1. Which imperial unit would you use to measure each of the following?
- a) the length of a pen _____
 - b) the height of a doorway _____
 - c) the length of a classroom _____
 - d) the distance from Vancouver to Seattle _____

2. Which SI unit would you use to measure each of the following lengths.
- a) the width of a diamond earring _____
 - b) the length of a pencil _____
 - c) the perimeter of a classroom _____
 - d) the distance from Burnaby to Whistler _____

3. Complete each of the following conversions within the imperial system.
- a) 6 ft. = _____ in.
 - b) 4 ft. 2 in. = _____ in.
 - c) 65 in. = _____ ft. _____ in.
 - d) 18 yd. = _____ ft.
 - e) 25 ft. = _____ yd. _____ ft.
 - f) 3 mi. = _____ yd.

4. Complete each of the following conversions within the SI system.
- a) 35 mm = _____ cm
 - b) 15 m = _____ cm
 - c) 15 km = _____ m
 - d) 3.2 km = _____ cm
 - e) 35 000 m = _____ km
 - f) 900 mm = _____ km

5. Complete each of the following conversions between the Imperial and SI systems. Round to 1 decimal place where appropriate.

a) 5 in. = _____ cm

b) 15 cm = _____ in.

c) 18 yd. = _____ m

d) 40 m = _____ yd.

e) 5 km = _____ mi.

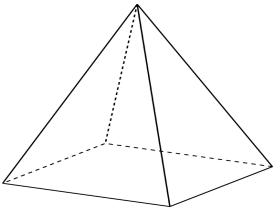
f) 5 mi. = _____ m

g) 6 km = _____ ft.

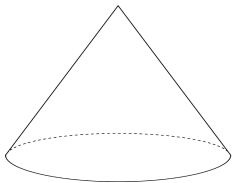
6. Bob ran a 10 mile race in Washington State. That same weekend, his friend Jenny ran the Victoria half marathon, which is a 21 km long. Who ran further and by how much? Answer in km.

7. Determine the surface area of each of the figures shown below. (2 marks each)

a) sides of square = 5 cm, slant height = 8 cm



b) radius = 6 ft., slant height = 9 ft.



8. Determine the lateral area of the right cone shown below if the height is 80 inches and the diameter is 120 inches. (2 marks)

