**10C – M2 V3 Measurement – Measurement Conversions**

**Part I:**

1. Convert the following:
   1. 135 mm to m
   2. 3.4 ft to in
   3. 32 cm to in

**Part II:**

1. There are 8 furlongs in a mile.
   1. How many yards are in a furlong?
   2. How many furlongs in a kilometer?
2. The average killer whale is 8.5 meters long. How long is this in feet and inches?
3. A hardware store sells nylon rope for $0.89 per yard. A lumber yard sells the same rope for $0.94 per meter.
   1. Which store offers the better buy? Explain.
   2. If Jim needs to purchase 550 feet of rope, how much money will he save by purchasing the rope from the store with the better price?

**Part III:**

1. A cube has a volume of 216 cubic yards. Determine the surface area of the cube in square meters.