1. Which is the longest of the units given below?
   a. inch
   b. Centimeter
   c. Millimeter
   d. Meter

2. About how many centimeters are in one inch?
   a. 0.50
   b. 1.5
   c. 2.5
   d. 4

3. $1 \times 10^3$ is how many times different than $1 \times 10^6$?
   a. 3 times bigger
   b. 3 times smaller
   c. 10 times greater
   d. 1000 times smaller
   e. 1000 times greater

4. The equation is given for $C = (VFD) \times 100$. Solve for $VFD$ in terms of $C$.

5. A piece of string is estimated to about 33% the length of standard 12 inch ruler. The piece of string is approximately___________
   a. 3 inches
   b. 4 inches
   c. 6 inches
   d. 36 inches
6. The circle below has a diameter of 6 cm. The length of the arrow (in cm) from tip to tip is approximately? The width of the arrow (in cm) in the center is_________?

![Circle with arrows]{}

7. There are 10 mm in one cm, and there are 1000 um in one mm? Convert the measurements above into um.