Metric Estimation

1. What is the approximate width of a person's little finger?
   1. 1 m
   2. 0.1 m
   3. 0.01 m
   4. 0.001 m

2. What is the approximate mass of an automobile?
   1. 10^1 kg
   2. 10^2 kg
   3. 10^3 kg
   4. 10^6 kg

3. The diameter of a United States penny is closest to
   1. 10^0 m
   2. 10^{-1} m
   3. 10^{-2} m
   4. 10^{-3} m

4. An egg is dropped from a third-story window. The distance the egg falls from the window to the ground is closest to
   1. 10^0 m
   2. 10^1 m
   3. 10^2 m
   4. 10^3 m

5. The approximate height of a 12-ounce can of root beer is
   1. 1.3×10^{-3} m
   2. 1.3×10^{-1} m
   3. 1.3×10^0 m
   4. 1.3×10^1 m

6. The mass of a paper clip is approximately
   1. 1×10^6 kg
   2. 1×10^3 kg
   3. 1×10^{-3} kg
   4. 1×10^{-6} kg

7. The length of a dollar bill is approximately
   1. 1.5×10^{-2} m
   2. 1.5×10^{-1} m
   3. 1.5×10^1 m
   4. 1.5×10^2 m

8. What is the approximate length of a baseball bat?
   1. 10^{-1} m
   2. 10^0 m
   3. 10^1 m
   4. 10^2 m

9. What is the approximate diameter of an inflated basketball?
   1. 2×10^{-2} m
   2. 2×10^{-1} m
   3. 2×10^0 m
   4. 2×10^1 m

10. The length of a football field is closest to
    1. 1000 cm
    2. 1000 dm
    3. 1000 km
    4. 1000 mm

11. The approximate length of an unsharpened No. 2 pencil is
    1. 2.0×10^{-2} m
    2. 2.0×10^{-1} m
    3. 2.0×10^0 m
    4. 2.0×10^1 m

12. The height of a 30-story building is approximately
    1. 10^0 m
    2. 10^1 m
    3. 10^2 m
    4. 10^3 m

13. The diameter of an automobile tire is closest to
    1. 10^{-2} m
    2. 10^0 m
    3. 10^1 m
    4. 10^2 m