

Name : _____ Date _____

Convert the following. Show all work and place a box around your answer. You must use dimensional analysis / the fencepost method to find your answer.

1. 6 doughnuts = ? dozen

2. 2.5×10^3 cents = ? dollars

3. 10 inches = ? mm (2.54 cm = 1 inch)

4. 190.00 Hm = ? cm

5. 1.008×10^{12} ms = ? years

6. 30.998 Tg = ? mg

7. 5.00×10^3 μm = ? m

8. 3.009 Hm = ? pm

9. 0.0000005 TL = ? cm^3

10. 6.9870×10^{12} mg = ?Mg