

Name \_\_\_\_\_  
Date **March 11, 2010**  
Class MA07  
Period \_\_\_\_\_

**State which metric unit you would probably use to measure each item.**

1. mass of an elephant
2. amount of juice in a pitcher
3. length of a room
4. distance across a state
5. height of a large tree

**Complete each sentence.**

6. 45 mm = \_\_\_\_\_ cm
7. 5,000 m = \_\_\_\_\_ km
8. 7 L = \_\_\_\_\_ mL
9. 450 cm = \_\_\_\_\_ mm
10. 4,000 mm = \_\_\_\_\_ m
11. 8.25 kg = \_\_\_\_\_ g
12. 12 km = \_\_\_\_\_ mm
13. 6.4 m = \_\_\_\_\_ cm
14. 750 mL = \_\_\_\_\_ L
15. 1 km = \_\_\_\_\_ m
16. 72.6 cm = \_\_\_\_\_ mm
17. 4.5 L = \_\_\_\_\_ mL

18. Priscilla is running a five-kilometer race. How many meters long is the race?

19. A large container of medicine contains 0.5 liter of the drug. How many 25-milliliter doses of the drug are in this container?

20. What is the LCM of 18 and 24?

21.  $19 - 14\frac{5}{7} =$

22.  $-\frac{4}{5}(-6) =$

23.  $1\frac{5}{6} \times 3\frac{3}{5} =$

24.  $-6\frac{1}{2} \div 3\frac{5}{7} =$

25. Solve. Show the cancellation.  
 $6 = \frac{4}{7}n$

**Write the prime factorization of each number.**

26. 20

27. 4,900

28. 36