Name Date

1. Solve.
   1. 36,000 × 10 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. 36,000 ÷ 10 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. 4.3 × 10 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. 4.3 ÷ 10 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. 2.4 x 100 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   6. 24 ÷ 1,000 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   7. 4.54 × 1,000 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   8. 3,045.4 ÷ 100 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Find the products.
3. 14,560 × 10 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 14,560 × 100 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. 14,560 × 1,000 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Explain how you decided on the number of zeros in the products for (a), (b), and (c).

1. Find the quotients.
   1. 16.5 ÷ 10 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. 16.5 ÷ 100 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. Explain how you decided where to place the decimal in the quotients for (a) and (b).
2. Ted says that 3 tenths multiplied by 100 equals 300 thousandths. Is he correct? Use a place value chart to explain your answer.
3. Alaska has a land area of about 1,700,000 square kilometers. Florida has a land area the size of Alaska. What is the land area of Florida? Explain how you found your answer.