

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Solve.

a.  $36,000 \times 10 =$  \_\_\_\_\_

e.  $2.4 \times 100 =$  \_\_\_\_\_

b.  $36,000 \div 10 =$  \_\_\_\_\_

f.  $24 \div 1,000 =$  \_\_\_\_\_

c.  $4.3 \times 10 =$  \_\_\_\_\_

g.  $4.54 \times 1,000 =$  \_\_\_\_\_

d.  $4.3 \div 10 =$  \_\_\_\_\_

h.  $3,045.4 \div 100 =$  \_\_\_\_\_

2. Find the products.

a.  $14,560 \times 10 =$  \_\_\_\_\_

b.  $14,560 \times 100 =$  \_\_\_\_\_

c.  $14,560 \times 1,000 =$  \_\_\_\_\_

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

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