

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Solve.

a.  $54,000 \times 10 =$  \_\_\_\_\_

e.  $0.13 \times 100 =$  \_\_\_\_\_

b.  $54,000 \div 10 =$  \_\_\_\_\_

f.  $13 \div 1000 =$  \_\_\_\_\_

c.  $8.7 \times 10 =$  \_\_\_\_\_

g.  $3.12 \times 1000 =$  \_\_\_\_\_

d.  $8.7 \div 10 =$  \_\_\_\_\_

h.  $4031.2 \div 100 =$  \_\_\_\_\_

2. Find the products.

a.  $19,340 \times 10 =$  \_\_\_\_\_

b.  $19,340 \times 100 =$  \_\_\_\_\_

c.  $19,340 \times 1000 =$  \_\_\_\_\_

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

3. Find the quotients.

a.  $152 \div 10 =$  \_\_\_\_\_

b.  $152 \div 100 =$  \_\_\_\_\_

c.  $152 \div 1000 =$  \_\_\_\_\_

d. Explain how you decided where to place the decimal in the quotients in (a), (b), and (c).

4. Janice thinks that 20 hundredths is equivalent to 2 thousandths because 20 hundreds is equal to 2 thousands. Use words and a place value chart to correct Janice's error.

5. Canada has a population that is about  $\frac{1}{10}$  as large as the United States. If Canada's population is about 32 million, about how many people live in the United States? Explain the number of zeros in your answer.

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Solve.

a.  $32.1 \times 10 =$  \_\_\_\_\_

b.  $3632.1 \div 10 =$  \_\_\_\_\_

2. Solve.

a.  $455 \times 1000 =$  \_\_\_\_\_

b.  $455 \div 1000 =$  \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Solve.

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

e.  $0.24 \times 100 =$  \_\_\_\_\_

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

f.  $24 \div 1000 =$  \_\_\_\_\_

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

g.  $4.54 \times 1000 =$  \_\_\_\_\_

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

h.  $3045.4 \div 100 =$  \_\_\_\_\_

2. Find the products.

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

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

c.  $14,560 \times 1000 =$  \_\_\_\_\_

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

3. Find the quotients.

a.  $1.65 \div 10 =$  \_\_\_\_\_

b.  $1.65 \div 100 =$  \_\_\_\_\_

c. Explain how you decided where to place the decimal in the quotients in (a), (b), and (c).

4. Ted says that 3 tenths multiplied by 100 equal 300 thousandths. Is he correct? Use a place value chart to explain your answer.

5. Alaska has a land area of about  $1,700,000 \text{ km}^2$ . 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.