Name _____ Date _____

1. Solve.

a. 36,000 x 10 = 360,000

b. 36,000 ÷ 10 = 3,600

c. 4.3 x 10 = 43

d. 4.3 ÷ 10 = 0.43

e. 2.4 x 100 = 240

f. 24 ÷ 1000 = 0.024

g. 4.54 x 1000 = 4540

h. 3045.4 ÷ 100 = 30.454

2. Find the products.

a. 14,560 x 10 = 145600

b. 14,560 x 100 = 1456000

c. 14,560 x 1000 = 14560000

the number of zeros in 10 or 100 or 1000 tells how many columns to the left each digit gets moved.

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

3. Find the quotients.

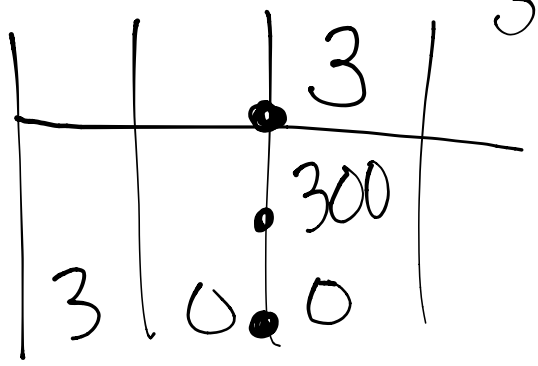
a. 1.65 ÷ 10 = 0.165

b. 1.65 ÷ 100 = 0.0165

the number of zeros in 10 or 100 or 1000 tells how many columns to the right each digit gets moved.

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.



3 tenths x 100 = 300 tenths

300 tenths = 30

5. Alaska has a land area of about 1,700,000 km^2. Florida has a land area 1/10 the size of Alaska. What is the land area of Florida? Explain how you found your answer.