

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.

a. $1.65 \div 10 =$ _____

b. $1.65 \div 100 =$ _____

c. 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.

Answer Key

1.
 - a. 360,000
 - b. 3,600
 - c. 43
 - d. 0.43
 - e. 240
 - f. 0.024
 - g. 4,540
 - h. 30.454
2.
 - a. 145,600
 - b. 1,456,000
 - c. 14,560,000
 - d. Explanations will vary.
3.
 - a. 0.165
 - b. 0.0165Explanations will vary.
4. No; $0.3 \times 100 = 30$; explanations will vary.
5. $1,700,000 \div 10 = 170,000 \text{ km}^2$; explanations will vary.