1. How does the placement of the decimal point change when you multiply 55.78 by 10?

The decimal point moves:

A. one place to the left because 55.78 x 10 = 5.578

B. two places to the right because 55.78 x10 = 5578

C. one place to the right because 55.78 x 10 = 557.8

D. zero places because 55.78 x 10 =5.578

2. How does the placement of the decimal point change when you divide 81.02 by 10? The decimal point moves:

A. one place to the left because 81.02 ÷ 10 = 8.102

B. zero places because 81.02 ÷ 10 = 81.02

C. one place to the right because 81.02 ÷ 10 = 810.2

D. two places to the left because 81.02 ÷ 10 =0.8102

3. 10 x 5.6 = 56

 104 x 0.56 = \_\_\_\_\_\_

A. 560

B. 5,600

C. 56,000

D. 560,000

4. Another way of writing 17 x 103 is

A. 17x (10 x 10 x 10)

B. 17 x 50

C. 170,000

D. 0.00017

5. What is the value of 3 in the product of .03 x 103?

A. 3/10

B. 3/100

C. 30

D. 300

6. Mary was going mountain climbing at Stone Mountain in Georgia. The height of the mountain is about 48x 103 feet. What is the height of Stone Mountain written as a whole number?

A. 480 feet

B. 4,800 feet

C. 48,000 feet

D. 480,000 feet

7. Clinton decided to buy 800 shares of stock in a cell phone company. Each share costs $700. Which of the following could he use to find the total amount he will pay for the stock?

A. (8 x 7) x 102 = 5,600

B. (8x 7) x 103 = 56,000

C. (8 x 7) x 104 = 560,000

D. (8 x 7) x 105 = 5,600,000

8. Shade in the grid to represent 0.6 x 0 .8=



8b. 0.6 x 0 .8= \_\_\_\_\_\_\_

9. Michelle has a piece of yarn that is 4.13 yards long. She needs to cut the yarn into pieces of fringe that each measure 0.7 yards long. How many pieces of fringe can she cut from the piece of yarn?

A. 0.59

B. 59

C. 5.9

D. 0.059

10. A rattlesnake measured at birth was 21.7 cm long. After several months, a scientist captured and measured the rattlesnake and it was 4.9 times as long as it was at birth. How long was the rattlesnake when it was captured?

A. 84.63cm

B. 1063.3 cm

C. 106.33 cm

D. 846.3 cm

11. Solve:

This model shows 0.08 x 10







This model shows \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. 0.08 x 102
2. 0.08 x 103
3. 0.08 x 104
4. 0.08 x 105

12. Fill in the following multiplication of decimal model and solve.

\_\_\_\_\_\_\_\_\_\_\_\_ x\_\_\_\_\_\_\_\_\_\_\_\_\_\_= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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13. Fill in the following multiplication of decimal model and solve.

\_\_\_\_\_\_\_\_\_\_\_\_ x\_\_\_\_\_\_\_\_\_\_\_\_\_\_= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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14. Shade in the grid to represent 0.9 x 0 .3=



8b. 0.9 x 0 .3= \_\_\_\_\_\_\_