

## Multiplication of a decimal by another decimal

### A. Choose the correct answer:

1. What is the product of  $0.5 \times 0.5$ ?

- a) 0.25                                      b) 0.10
- c) 0.50                                      d) 0.05

2.  $0.2 \times 0.3$  equals

- a) 0.6                                        b) 0.06
- c) 0.003                                    d) 0.33

3. Multiply:  $0.4 \times 0.2$

- a) 0.08                                      b) 0.80
- c) 0.004                                    d) 0.12

4. Which of the following is correct?

- a)  $0.1 \times 0.1 = 0.01$                       b)  $0.3 \times 0.2 = 0.60$
- c)  $0.9 \times 0.9 = 0.99$                       d)  $0.05 \times 0.2 = 0.2$

5.  $0.25 \times 0.4$  equals

- a) 1.00                                      b) 0.100
- c) 0.010                                    d) 0.005

### B. Write the Missing Terms to Complete the Sentences:

1.  $0.6 \times 0.2 =$  \_\_\_\_\_

2.  $0.3 \times 0.3 =$  \_\_\_\_\_

3. When multiplying two decimals, count the total number of \_\_\_\_\_ places

4.  $0.05 \times 0.1 =$  \_\_\_\_\_

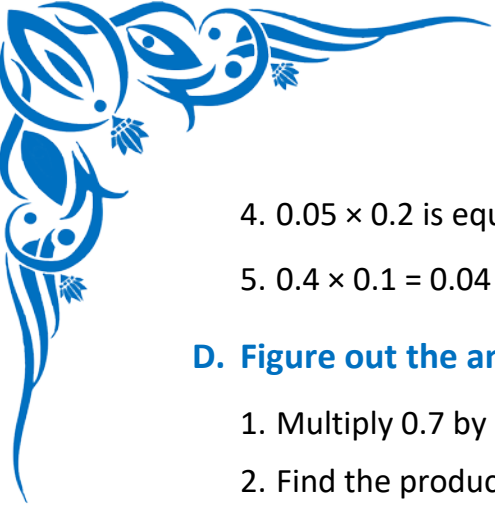
5.  $0.4 \times 0.25 =$  \_\_\_\_\_

### C. Mark each sentence with a True (✓) or False (X):

1.  $0.1 \times 0.1 = 0.01$  \_\_\_\_\_

2.  $0.2 \times 0.3 = 0.60$  \_\_\_\_\_

3.  $0.25 \times 0.25 = 0.625$  \_\_\_\_\_



4.  $0.05 \times 0.2$  is equal to 1 \_\_\_\_\_

5.  $0.4 \times 0.1 = 0.04$  \_\_\_\_\_

**D. Figure out the answers to these questions:**

1. Multiply 0.7 by 0.3 and write the product
2. Find the product of 0.6 and 0.06
3. Multiply  $0.12 \times 0.2$  and explain the decimal placement
4. Multiply  $0.9 \times 0.9$
5. Write the product of  $0.05 \times 0.25$  in fraction and decimal form

**E. Challenge yourself with these questions:**

1. A square tile is 0.5 m long and 0.5 m wide. Find its area
2. Multiply and simplify:  $0.06 \times 0.5$
3. A packet of seeds weighs 0.25 kg. What is the weight of 0.2 such packets?
4. Multiply:  $0.7 \times 0.04$
5. A water drop covers 0.03 m of a surface. How much will 0.5 drops cover?