Multiplication of a decimal by another decimal

A. Choose the correct answer:

1. What is the product of 0.5 × 0.5?

a) 0.25 b) 0.10

c) 0.50 d) 0.05

2. 0.2 × 0.3 equals

a) 0.6 b) 0.06

c) 0.003 d) 0.33

3. Multiply: 0.4 × 0.2

a) 0.08 b) 0.80

c) 0.004 d) 0.12

4. Which of the following is correct?

a) 0.1 × 0.1 = 0.01 b) 0.3 × 0.2 = 0.60

c) 0.9 × 0.9 = 0.99 d) 0.05 × 0.2 = 0.2

5. 0.25 × 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 × 0.2 = _____
2. 0.3 × 0.3 = _____
3. When multiplying two decimals, count the total number of _____ places
4. 0.05 × 0.1 = _____
5. 0.4 × 0.25 = _____

C. Mark each sentence with a True (✔) or False (✗):

1. 0.1 × 0.1 = 0.01 _____
2. 0.2 × 0.3 = 0.60 _____
3. 0.25 × 0.25 = 0.625 _____

4. 0.05 × 0.2 is equal to 1 _____
5. 0.4 × 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 × 0.2 and explain the decimal placement
4. Multiply 0.9 × 0.9
5. Write the product of 0.05 × 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 × 0.5
3. A packet of seeds weighs 0.25 kg. What is the weight of 0.2 such packets?
4. Multiply: 0.7 × 0.04
5. A water drop covers 0.03 m of a surface. How much will 0.5 drops cover?