Lesson 4.2

Multiply Decimals and Whole Numbers

Use the decimal model to find the product.

1. $4 \times 0.07 = \boxed{0.28}$
2. $3 \times 0.27 = \underline{\phantom{0}}$
3. $2 \times 0.45 = \underline{\phantom{0}}$

Find the product. Draw a quick picture.

4. $2 \times 0.8 = \underline{\phantom{0}}$
5. $3 \times 0.33 = \underline{\phantom{0}}$
6. $5 \times 0.71 = \underline{\phantom{0}}$
7. $4 \times 0.23 = \underline{\phantom{0}}$

Problem Solving

8. In physical education class, Sonia walks a distance of 0.12 mile in 1 minute. At that rate, how far can she walk in 9 minutes?

9. A certain tree can grow 0.45 meter in one year. At that rate, how much can the tree grow in 3 years?
Lesson Check (CC.5.NBT.7)

1. The model below represents which multiplication sentence?

   \[
   \begin{array}{|c|c|c|c|c|c|}
   \hline
   \times & 1 & 2 & 3 & 4 & 5 \\
   \hline
   6 & 0 & 0 & 0 & 0 & 0 \\
   \hline
   \end{array}
   \]

(A) \(6 \times 0.04 = 0.24\)
(B) \(4 \times 0.06 = 0.24\)
(C) \(8 \times 0.03 = 0.24\)
(D) \(3 \times 0.08 = 0.24\)

2. A certain type of lunch meat contains 0.5 grams of unsaturated fat per serving. How much unsaturated fat is in 3 servings of the lunch meat?
   - A 3.5 grams
   - B 3 grams
   - C 1.5 grams
   - D 0.5 gram

Spiral Review (CC.5.OA.1, CC.5.NBT.2, CC.5.NBT.3b, CC.5.NF.3)

3. To find the value of the following expression, which operation should you do first? (Lesson 1.12)
   \[20 - (7 + 4) \times 5\]
   - A Subtract 7 from 20.
   - B Add 7 and 4.
   - C Multiply 4 and 5.
   - D It does not matter which operation you do first.

4. Ella and three friends run in a relay race that is 14 miles long. Each person runs equal parts of the race. How many miles does each person run? (Lesson 2.7)
   - A 3 miles
   - B 3\(\frac{1}{2}\) miles
   - C 4 miles
   - D 4\(\frac{2}{3}\) miles

5. Which statement about 17.518 and 17.581 is true? (Lesson 3.3)
   - A 17.518 < 17.581
   - B 17.518 > 17.581
   - C 17.518 = 17.581
   - D 17.581 < 17.518

6. Each number in the following sequence has the same relationship to the number immediately before it. How can you find the next number in the sequence? (Lesson 1.5)
   \[3, 30, 300, 3,000, \ldots\]
   - A Multiply the previous number by 3.
   - B Multiply the previous number by 30.
   - C Multiply the previous number by 10.
   - D Multiply the previous number by 100.