Multiplication Patterns with Decimals

COMMON CORE STANDARD CC.5.NBT.2
Understand the place value system.

Complete the pattern.

1. $2.07 \times 1 =$ **2.07**
   $2.07 \times 10 =$ **20.7**
   $2.07 \times 100 =$ **207**
   $2.07 \times 1,000 =$ **2,070**

2. $1 \times 30 =$ **30**
   $0.1 \times 30 =$ **3**
   $0.01 \times 30 =$ **0.3**

3. $10^0 \times 0.23 =$ **0.23**
   $10^1 \times 0.23 =$ **2.3**
   $10^2 \times 0.23 =$ **23**
   $10^3 \times 0.23 =$ **230**

4. $390 \times 1 =$ **390**
   $390 \times 0.1 =$ **39**
   $390 \times 0.01 =$ **3.9**

5. $10^0 \times 49.32 =$ **49.32**
   $10^1 \times 49.32 =$ **493.2**
   $10^2 \times 49.32 =$ **4,932**
   $10^3 \times 49.32 =$ **49,320**

6. $1 \times 9,670 =$ **9,670**
   $0.1 \times 9,670 =$ **967**
   $0.01 \times 9,670 =$ **96.7**

7. $874 \times 1 =$ **874**
   $874 \times 10 =$ **8,740**
   $874 \times 100 =$ **87,400**
   $874 \times 1,000 =$ **874,000**

8. $10^0 \times 10 =$ **10**
   $10^1 \times 10 =$ **100**
   $10^2 \times 10 =$ **1,000**
   $10^3 \times 10 =$ **10,000**

9. $1 \times 5 =$ **5**
   $0.1 \times 5 =$ **0.5**
   $0.01 \times 5 =$ **0.05**

Problem Solving REAL WORLD

10. Nathan plants equal-sized squares of sod in his front yard. Each square has an area of 6 square feet. Nathan plants a total of 1,000 squares in his yard. What is the total area of the squares of sod?

    6,000 square feet

11. Three friends are selling items at a bake sale. May makes $23.25 selling bread. Inez sells gift baskets and makes 100 times as much as May. Carolyn sells pies and makes one tenth of the money Inez makes. How much money does each friend make?

    May: $23.25; Inez: $2,325; Carolyn: $232.50

Lesson Check (CC.5.NBT.2)

1. The length of the Titanic was 882 feet. Porter's history class is building a model of the Titanic. The model is $\frac{1}{100}$ of the actual length of the ship. How long is the model?

   (A) 882 feet

   (B) 88.2 feet

   ● 8.82 feet

   (D) 0.882 feet

2. Ted is asked to multiply $10^2 \times 18.72$. How should he move the decimal point to get the correct product?

   ● 2 places to the right

   (B) 1 place to the right

   (C) 1 place to the left

   (D) 2 places to the left

Spiral Review (CC.5.NBT.3b, CC.5.NBT.4, CC.5.NBT.6, CC.5.NBT.7)

3. The table shows the height in meters of some of the world's tallest buildings. Which list shows the heights in order from least to greatest? (Lesson 3.3)

Building	Height (meters)
Zifeng Tower	457.2
International Finance Center	415.138
Burj Khalifa	828.142
Petronas Towers	452.018

   (A) 457.2, 415.138, 828.142, 452.018

   (B) 415.138, 457.2, 452.018, 828.142

   (C) 828.142, 457.2, 452.018, 415.138

   ● 415.138, 452.018, 457.2, 828.142

4. Madison had $187.56 in her checking account. She deposited $49.73 and then used her debit card to spend $18.64. What is Madison's new account balance? (Lesson 3.11)

   (A) $119.19

   ● $218.65

   (C) $237.29

   (D) $255.93

5. What is 3.47 rounded to the nearest tenth? (Lesson 3.4)

   (A) 3.0

   (B) 3.4

   ● 3.5

   (D) 4.0

6. The city gardener ordered 1,680 tulip bulbs for Riverside Park. The bulbs were shipped in 35 boxes with an equal number of bulbs in each box. How many tulip bulbs were in each box? (Lesson 2.6)

   (A) 47   (C) 57
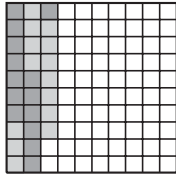
   ● 48   (D) 58

Multiply Decimals and Whole Numbers
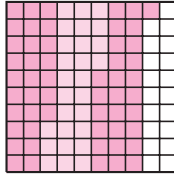
COMMON CORE STANDARD CC.5.NBT.7
Perform operations with multi-digit whole numbers
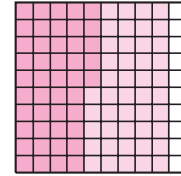and with decimals to hundredths.

Use the decimal model to find the product.

1. $4 \times 0.07 =$ **0.28**

2. $3 \times 0.27 =$ **0.81**

3. $2 \times 0.45 =$ **0.90**

Find the product. Draw a quick picture. **Check students' quick pictures.**

4. $2 \times 0.8 =$ **1.6**

5. $3 \times 0.33 =$ **0.99**

6. $5 \times 0.71 =$ **3.55**

7. $4 \times 0.23 =$ **0.92**

Problem Solving REAL WORLD

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?

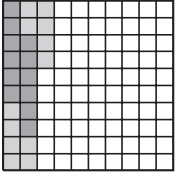**9.** A certain tree can grow 0.45 meter in one year. At that rate, how much can the tree grow in 3 years?

1.08 miles

1.35 meters

Lesson Check (CC.5.NBT.7)

1. The model below represents which multiplication sentence?

- Ⓐ $6 \times 0.04 = 0.24$
- ⬤ $4 \times 0.06 = 0.24$
- Ⓒ $8 \times 0.03 = 0.24$
- Ⓓ $3 \times 0.08 = 0.24$

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?

- Ⓐ 3.5 grams
- Ⓑ 3 grams
- ⬤ 1.5 grams
- Ⓓ 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)

$$20 - (7 + 4) \times 5$$

- Ⓐ Subtract 7 from 20.
- ⬤ Add 7 and 4.
- Ⓒ Multiply 4 and 5.
- Ⓓ 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)

- Ⓐ 3 miles
- ⬤ $3\frac{1}{2}$ miles
- Ⓒ 4 miles
- Ⓓ $4\frac{2}{3}$ miles

5. Which statement about 17.518 and 17.581 is true? (Lesson 3.3)

- ⬤ $17.518 < 17.581$
- Ⓑ $17.518 > 17.581$
- Ⓒ $17.518 = 17.581$
- Ⓓ $17.581 < 17.518$

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)

$$3, 30, 300, 3,000, \ldots$$

- Ⓐ Multiply the previous number by 3.
- Ⓑ Multiply the previous number by 30.
- ⬤ Multiply the previous number by 10.
- Ⓓ Multiply the previous number by 100.

Multiplication with Decimals and Whole Numbers

Find the product.

1.
$$\begin{array}{r} 2.7 \\ \times \quad 4 \\ \hline \mathbf{10.8} \end{array}$$

Think: The place value of the decimal factor is tenths.

2.
$$\begin{array}{r} 7.6 \\ \times \quad 8 \\ \hline \mathbf{60.8} \end{array}$$

3.
$$\begin{array}{r} 0.35 \\ \times \quad 6 \\ \hline \mathbf{2.10, \text{ or } 2.1} \end{array}$$

4.
$$\begin{array}{r} 8.42 \\ \times \quad 9 \\ \hline \mathbf{75.78} \end{array}$$

5.
$$\begin{array}{r} 14.05 \\ \times \quad 7 \\ \hline \mathbf{98.35} \end{array}$$

6.
$$\begin{array}{r} 23.82 \\ \times \quad 5 \\ \hline \mathbf{119.10, \text{ or } 119.1} \end{array}$$

7. 4×9.3 **37.2** **8.** 3×7.9 **23.7** **9.** 5×42.89 **214.45** **10.** 8×2.6 **20.8**

11. 6×0.92 **5.52** **12.** 9×1.04 **9.36** **13.** 7×2.18 **15.26** **14.** 3×19.54 **58.62**

Problem Solving REAL WORLD

15. A half-dollar coin issued by the United States Mint measures 30.61 millimeters across. Mikk has 9 half dollars. He lines them up end to end in a row. What is the total length of the row of half dollars?

275.49 millimeters

16. One pound of grapes costs $3.49. Linda buys exactly 3 pounds of grapes. How much will the grapes cost?

$10.47

Lesson Check (5.NBT.2, 5.NBT.7)

1. Pete wants to make turkey sandwiches for two friends and himself. He wants each sandwich to contain 3.5 ounces of turkey. How many ounces of turkey does he need?

(A) 3.5 ounces

(B) 7 ounces

● 10.5 ounces

(D) 14 ounces

2. Gasoline costs $2.84 per gallon. Mary's father puts 9 gallons of gasoline in the tank of his car. How much will the gasoline cost?

(A) $2.84

(B) $9

● $25.56

(D) $255.60

Spiral Review (5.OA.1, 5.OA.2, 5.NBT.6, 5.NBT.7)

3. A group of 5 boys and 8 girls goes to the fair. Admission costs $9 per person. Which expression does NOT show the total amount the group will pay? **(Lesson 1.11)**

(A) $\$9 \times (5 + 8)$

● $\$9 \times 5 \times 8$

(C) $(\$9 \times 5) + (\$9 \times 8)$

(D) $\$9 \times 13$

4. Sue and 4 friends buy a box of 362 baseball cards at a yard sale. If they share the cards equally, how many cards will each person receive? **(Lesson 2.2)**

(A) 91

(B) 90

(C) 73

● 72

5. Sarah rides her bicycle 2.7 miles to school. She takes a different route home, which is 2.5 miles. How many miles does Sarah ride to and from school each day? **(Lesson 3.8)**

(A) 2.5 miles

(B) 2.7 miles

● 5.2 miles

(D) 5.4 miles

6. Tim has a box of 15 markers. He gives 3 markers each to 4 friends. Which expression shows the number of markers Tim has left? **(Lesson 1.10)**

(A) $(3 \times 4) - 15$

(B) $15 + (3 \times 4)$

(C) $(15 \times 4) - 3$

● $15 - (3 \times 4)$

Name _____

Multiply Using Expanded Form

Draw a model to find the product. **Check students' models.**

1. $37 \times 9.5 =$ **351.5**

	30	7
9	270	6
0.5	15	3.5

2. $84 \times 0.24 =$ **20.16**

Find the product.

3. $13 \times 0.53 =$ **6.89**

4. $27 \times 89.5 =$ **2,416.5**

5. $32 \times 12.71 =$ **406.72**

6. $17 \times 0.52 =$ **8.84**

7. $23 \times 59.8 =$ **1,375.4**

8. $61 \times 15.98 =$ **974.78**

Problem Solving REAL WORLD

9. An object that weighs one pound on the moon will weigh about 6.02 pounds on Earth. Suppose a moon rock weighs 11 pounds on the moon. How much will the same rock weigh on Earth?

66.22 pounds

10. Tessa is on the track team. For practice and exercise, she runs 2.25 miles each day. At the end of 14 days, how many total miles will Tessa have run?

31.5 miles

Lesson Check (CC.5.NBT.2, CC.5.NBT.7)

1. A baker is going to make 24 blueberry pies. She wants to make sure each pie contains 3.5 cups of blueberries. How many cups of blueberries will she need?

(A) 3.5 cups

(B) 6.86 cups

(C) 24 cups

● 84 cups

2. Aaron buys postcards while he is on vacation. It costs $0.28 to send one postcard. Aaron wants to send 12 postcards. How much will it cost Aaron to send all the postcards?

(A) $0.28

(B) $0.34

● $3.36

(D) $33.60

Spiral Review (CC.5.NBT.1, CC.5.NBT.2, CC.5.NBT.6, CC.5.NBT.7)

3. What is the value of the digit 4 in the number 524,897,123? (Lesson 1.2)

(A) 4,000

(B) 40,000

(C) 400,000

● 4,000,000

4. How many zeros will be in the product $(6 \times 5) \times 10^3$? (Lesson 1.5)

(A) 2

(B) 3

● 4

(D) 5

5. Roast beef costs $8.49 per pound. What is the cost of 2 pounds of roast beef? (Lesson 4.3)

(A) $8.49

(B) $10.49

● $16.98

(D) $169.80

6. North Ridge Middle school collected 5,024 cans of food for a food drive. Each of the 18 homerooms collected about the same number of cans. About how many cans did each homeroom collect? (Lesson 2.5)
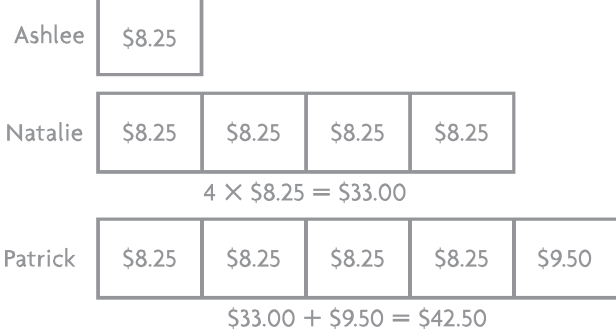
● 250

(B) 400

(C) 500

(D) 800

Problem Solving • Multiply Money

COMMON CORE STANDARD CC.5.NBT.7
Perform operations with multi-digit whole numbers
and with decimals to hundredths.

Solve each problem. **Check students' diagrams.**

1. Three friends go to the local farmers'
   market. Ashlee spends $8.25. Natalie
   spends 4 times as much as Ashlee. Patrick
   spends $9.50 more than Natalie. How
   much does Patrick spend?

Ashlee	$8.25				

Natalie	$8.25	$8.25	$8.25	$8.25	

   $4 \times \$8.25 = \$33.00$

Patrick	$8.25	$8.25	$8.25	$8.25	$9.50

   $\$33.00 + \$9.50 = \$42.50$

   $42.50

2. Kimmy's savings account has a balance of
   $76.23 in June. By September, her balance is
   5 times as much as her June balance. Between
   September and December, Kimmy deposits a
   total of $87.83 into her account. If she does not
   withdraw any money from her account, what
   should Kimmy's balance be in December?

   $468.98

3. Amy raises $58.75 to participate in a walk-a-thon.
   Jeremy raises $23.25 more than Amy. Oscar raises
   3 times as much as Jeremy. How much money
   does Oscar raise?

   $246.00

4. It costs $5.50 per hour to rent a pair of ice skates,
   for up to 2 hours. After 2 hours, the rental cost per
   hour decreases to $2.50. How much does it cost to
   rent a pair of ice skates for 4 hours?

   $16.00

Lesson Check (CC.5.NBT.7)

1. A family of two adults and four children is going to an amusement park. Admission is $21.75 for adults and $15.25 for children. What is the total cost of the family's admission?

   (A) $37

   (B) $89.25

   ● $104.50

   (D) $117.50

2. Ms. Rosenbaum buys 5 crates of apples at the market. Each crate costs $12.50. She also buys one crate of pears for $18.75. What is the total cost of the apples and pears?

   (A) $12.50

   (B) $31.25

   (C) $62.50

   ● $81.25

Spiral Review (CC.5.OA.2, CC.5.NBT.2, CC.5.NBT.4, CC.5.NF.3)

3. How do you write $10 \times 10 \times 10 \times 10$ using exponents? (Lesson 1.4)

   (A) 10^3

   ● 10^4

   (C) 10,000

   (D) 4^{10}

4. Which represents 125.638 rounded to the nearest hundredth? (Lesson 3.4)

   (A) 100

   (B) 125.6

   (C) 125.63

   ● 125.64

5. The sixth-graders at Meadowbrook Middle School are going on a field trip. The 325 students and adults will ride in school buses. Each bus holds 48 people. How many school buses are needed? (Lesson 2.7)

   (A) 6

   (B) 6.77

   ● 7

   (D) 8

6. A restaurant can seat 100 people. It has booths that seat 4 people and tables that seat 6 people. So far, 5 of the booths are full. Which expression matches the situation? (Lesson 1.10)

   (A) $4 \times 5 + 6$

   ● $100 - (5 \times 4)$

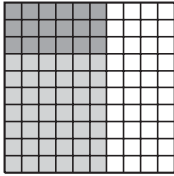   (C) $6 \times (4 + 5)$

   (D) $100 \div (4 + 6)$

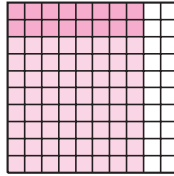# Decimal Multiplication

COMMON CORE STANDARD CC.5.NBT.7
Perform operations with multi-digit whole numbers and with decimals to hundredths.
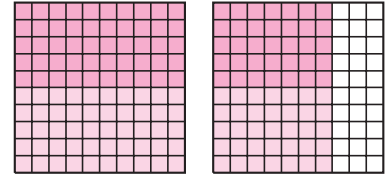
Multiply. Use the decimal model.
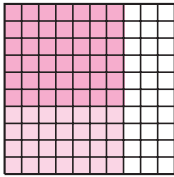
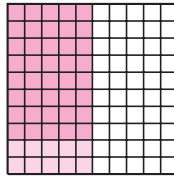1. $0.3 \times 0.6 =$ __0.18__

2. $0.2 \times 0.8 =$ __0.16__

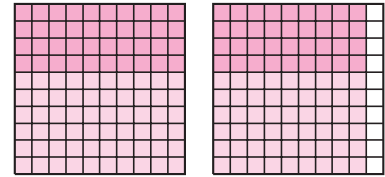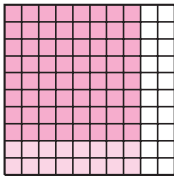3. $0.5 \times 1.7 =$ __0.85__

4. $0.6 \times 0.7 =$ __0.42__
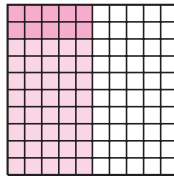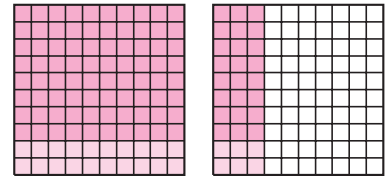
5. $0.8 \times 0.5 =$ __0.40__

6. $0.4 \times 1.9 =$ __0.76__

7. $0.8 \times 0.8 =$ __0.64__

8. $0.2 \times 0.5 =$ __0.10__

9. $0.8 \times 1.3 =$ __1.04__

Problem Solving REAL WORLD

10. A certain bamboo plants grow 1.2 feet in 1 day. At that rate, how many feet could the plant grow in 0.5 day?

    __0.6 foot__

11. The distance from the park to the grocery store is 0.9 mile. Ezra runs 8 tenths of that distance and walks the rest of the way. How far does Ezra run from the park to the grocery store?

    __0.72 mile__

Lesson Check (CC.5.NBT.7)

1. Liz is hiking a trail that is 0.8 mile long. Liz hikes the first 2 tenths of the distance by herself. She hikes the rest of the way with her friends. How far does Liz hike by herself?

   ● 0.16 mile

   Ⓑ 0.20 mile

   Ⓒ 0.80 mile

   Ⓓ 1 mile

2. One cup of cooked zucchini has 1.9 grams of protein. How much protein is in 0.5 cup of zucchini?

   Ⓐ 0.5 gram

   ● 0.95 gram

   Ⓒ 1.9 grams

   Ⓓ 2.4 grams

Spiral Review (CC.5.NBT.5, CC.5.NBT.6, CC.5.NBT.7)

3. Which property does the statement show? (Lesson 1.3)

$$(4 \times 8) \times 3 = (8 \times 4) \times 3$$

   Ⓐ Commutative Property of Addition

   Ⓑ Associative Property of Addition

   ● Commutative Property of Multiplication

   Ⓓ Associative Property of Multiplication

4. At the beginning of the school year, Rochelle joins the school garden club. In her plot of land, she plants 4 rows of tulips, each containing 27 bulbs. How many tulip bulbs does Rochelle plant in all? (Lesson 1.6)

   Ⓐ 27   ● 108

   Ⓑ 88   Ⓓ 216

5. In which place is the first digit of the quotient? (Lesson 2.1)

$$3,589 \div 18$$

   Ⓐ thousands

   ● hundreds

   Ⓒ tens

   Ⓓ ones

6. At a football game, Jasmine bought a soft pretzel for $2.25 and a bottle of water for $1.50. She paid with a $5 bill. How much change should Jasmine get back? (Lesson 3.11)

   ● $1.25

   Ⓑ $1.50

   Ⓒ $2.25

   Ⓓ $3.75

Multiply Decimals

Find the product.

1. $\begin{array}{r} 5.8 \\ \times\ 2.4 \\ \hline 13.92 \end{array}$ $\begin{array}{r} 58 \\ \times\ 24 \\ \hline 232 \\ +\ 1{,}160 \\ \hline 1{,}392 \end{array}$

2. $\begin{array}{r} 7.3 \\ \times\ 9.6 \\ \hline \textbf{70.08} \end{array}$

3. $\begin{array}{r} 46.3 \\ \times\ 0.8 \\ \hline \textbf{37.04} \end{array}$

4. $\begin{array}{r} 29.5 \\ \times\ 1.3 \\ \hline \textbf{38.35} \end{array}$

5. $\begin{array}{r} 3.76 \\ \times\ 4.8 \\ \hline \textbf{18.048} \end{array}$

6. $\begin{array}{r} 9.07 \\ \times\ 6.5 \\ \hline \textbf{58.955} \end{array}$

7. 0.42×75.3
31.626

8. 5.6×61.84
346.304

9. 7.5×18.74
140.55

10. 0.9×53.8
48.42

Problem Solving REAL WORLD

11. Aretha runs a marathon in 3.25 hours. Neal takes 1.6 times as long to run the same marathon. How many hours does it take Neal to run the marathon?

5.2 hours

12. Tiffany catches a fish that weighs 12.3 pounds. Frank catches a fish that weighs 2.5 times as much as Tiffany's fish. How many pounds does Frank's fish weigh?

30.75 pounds

Lesson Check (CC.5.NBT.2, CC.5.NBT.7)

1. Sue buys material to make a costume. She buys 1.75 yards of red material. She buys 1.2 times as many yards of blue material. How many yards of blue material does Sue buy?

   ● 2.1 yards

   (B) 2.95 yards

   (C) 5.25 yards

   (D) 21 yards

2. Last week Juan worked 20.5 hours. This week he works 1.5 times as many hours as he did last week. How many hours does Juan work this week?

   (A) 12.3 hours

   (B) 22 hours

   ● 30.75 hours

   (D) 37.5 hours

Spiral Review (CC.5.NBT.2, CC.5.NBT.3a, CC.5.NBT.3b, CC.5.NBT.7)

3. The expression below shows a number in expanded form. What is the standard form of the number? (Lesson 3.2)

   $$2 \times 10 + 3 \times \frac{1}{10} + 9 \times \frac{1}{100} + 7 \times \frac{1}{1,000}$$

   (A) 2,397

   ● 20.397

   (C) 2.397

   (D) 2.0397

4. Kelly buys a sweater for $16.79 and a pair of pants for $28.49. She pays with a $50 bill. How much change should Kelly get back? (Lesson 3.11)

   ● $4.72

   (B) $5.48

   (C) $5.72

   (D) $45.28

5. Elvira is using a pattern to multiply $10^3 \times 37.2$.

   $10^0 \times 37.2 = 37.2$
   $10^1 \times 37.2 = 372$
   $10^2 \times 37.2 =$ _____
   $10^3 \times 37.2 =$ _____

   What is the product $10^3 \times 37.2$? (Lesson 4.1)

   (A) 0.0372

   (B) 0.372

   (C) 3,720

   ● 37,200

6. Which digit should go in the box to make the following statement true? (Lesson 3.3)

   $$63.749 < 63.\boxed{}2$$

   (A) 3

   (B) 6

   (C) 7

   ● 8

Name _____

Zeros in the Product

Find the product.

1.
```
  0.07          7
× 0.2         × 2
─────        ────
0.014         14
```

2.
```
  0.3
× 0.1
─────
 0.03
```

3.
```
  0.05
×  0.8
─────
0.04,
or 0.040
```

4.
```
  0.08
×  0.3
─────
0.024
```

5.
```
  0.06
×  0.7
─────
0.042
```

6.
```
  0.2
× 0.4
─────
0.08
```

7.
```
  0.05
×  0.4
─────
0.020,
or 0.02
```

8.
```
  0.08
×  0.8
─────
0.064
```

9.
```
 $0.90
×  0.1
─────
$0.09
```

10.
```
  0.02
×  0.3
─────
0.006
```

11.
```
  0.09
×  0.5
─────
0.045
```

12.
```
 $0.05
×  0.2
─────
$0.01
```

Problem Solving REAL WORLD

13. A beaker contains 0.5 liter of a solution. Jordan uses 0.08 of the solution for an experiment. How much of the solution does Jordan use?

0.040, or 0.04 liter

14. A certain type of nuts are on sale at $0.35 per pound. Tamara buys 0.2 pound of nuts. How much will the nuts cost?

$0.07

Lesson Check (CC.5.NBT.2, CC.5.NBT.7)

1. Cliff multiplies 0.06 and 0.5. Which product should he record?

Ⓐ 0.003

● 0.03

Ⓒ 0.3

Ⓓ 3

2. Which product is equal to 0.036?

Ⓐ 0.6×0.6

Ⓑ 0.30×0.06

Ⓒ 0.9×0.4

● 0.4×0.09

Spiral Review (CC.5.NBT.1, CC.5.NBT.4, CC.5.NBT.5, CC.5.NBT.6)

3. A florist makes 24 bouquets. She uses 16 flowers for each bouquet. Altogether, how many flowers does she use? **(Lesson 1.7)**

Ⓐ 40

Ⓑ 168

Ⓒ 364

● 384

4. Mark has 312 books in his bookcases. He has 11 times as many fiction books as nonfiction books. How many fiction books does Mark have? **(Lesson 2.9)**

Ⓐ 26

Ⓑ 212

● 286

Ⓓ 301

5. Dwayne buys a pumpkin that weighs 12.65 pounds. To the nearest tenth of a pound, how much does the pumpkin weigh? **(Lesson 3.4)**

Ⓐ 12 pounds

Ⓑ 12.6 pounds

● 12.7 pounds

Ⓓ 13 pounds

6. In which of the following numbers does the digit 6 have the value 6,000? **(Lesson 1.2)**

● 896,000

Ⓑ 869,000

Ⓒ 809,600

Ⓓ 809,060

Chapter 4 Extra Practice

Lesson 4.1

Complete the pattern.

1. $3.04 \times 1 =$ __**3.04**__

   $3.04 \times 10 =$ __**30.4**__

   $3.04 \times 100 =$ __**304**__

   $3.04 \times 1,000 =$ __**3,040**__

2. $1 \times 70 =$ __**70**__

   $0.1 \times 70 =$ __**7**__

   $0.01 \times 70 =$ __**0.7**__

3. $10^0 \times 0.57 =$ __**0.57**__

   $10^1 \times 0.57 =$ __**5.7**__

   $10^2 \times 0.57 =$ __**57**__

   $10^3 \times 0.57 =$ __**570**__

Lesson 4.2

Use the decimal model to find the product.

1. $4 \times 0.07 =$ __**0.28**__

2. $5 \times 0.20 =$ __**1.00**__

3. $13 \times 0.03 =$ __**0.39**__
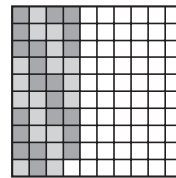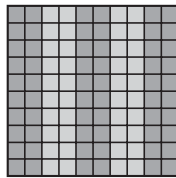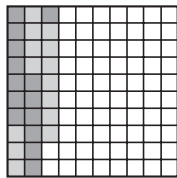
Find the product. Draw a quick picture. **Check students' quick pictures.**

4. $7 \times 0.06 =$ __**0.42**__

5. $8 \times 0.12 =$ __**0.96**__

Lessons 4.3 – 4.4, 4.7 – 4.8

Find the product.

1. 8.24
    $\times\ \ \ \ 8$
    65.92

2. 5.3
    $\times\ \ \ \ 7$
    37.1

3. 0.29
    $\times\ \ \ \ 4$
    1.16

4. 18.5
    $\times\ 0.42$
    7.770,
    or 7.77

5. 4.4
    $\times\ \ \ 8.7$
    38.28

6. 9.2
    $\times\ \ \ 2.8$
    25.76

7. 0.04
    $\times\ \ 0.3$
    0.012

8. $0.70
    $\times\ \ \ 0.6$
    $0.42

9. 17×0.16
   2.72

10. 3.55×75.2
    266.96

11. 7.8×25.87
    201.786

Lesson 4.5

Solve.

1. Some friends go to the store to buy school supplies. Noel spends $4.89. Holly spends 3 times as much as Noel. Kris spends $12.73 more than Holly. How much does Kris spend?
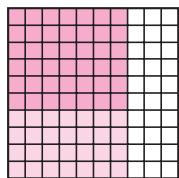
   $27.40

2. Chase collects $27.34 for a fundraiser. Sydney collects $9.83 more than Chase. Ally collects 4 times as much as Sydney. How much money does Ally collect?
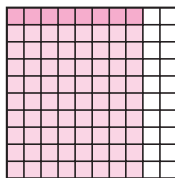
   $148.68

Lesson 4.6

Multiply. Use the decimal model.

1. $0.4 \times 0.7 =$ **0.28**

2. $0.9 \times 0.8 =$ **0.72**

3. $0.3 \times 1.6 =$ **0.48**