

# Multiply & Divide Decimals

Pre-Check: show what you know.

Score \_\_\_\_\_ / 6

1. Multiply. Write each product as a fraction.

$$3 \times \frac{2}{10} = \frac{\boxed{\phantom{00}}}{10}$$

$$5 \times \frac{7}{100} = \frac{\boxed{\phantom{00}}}{100}$$

2. Round each number to the nearest ten. Then multiply to estimate.

$$38 \times 21 \quad \underline{\phantom{00}} \times \underline{\phantom{00}} = \underline{\phantom{000}}$$

$$72 \times 49 \quad \underline{\phantom{00}} \times \underline{\phantom{00}} = \underline{\phantom{000}}$$

3. Write each fraction as a decimal.

$$\frac{7}{10} = \underline{\phantom{00}}$$

$$\frac{36}{100} = \underline{\phantom{00}}$$

$$\frac{4}{100} = \underline{\phantom{00}}$$

4. Write the missing numbers.

$$0.4 = \frac{\boxed{\phantom{00}}}{100}$$

$$0.7 = \underline{\phantom{00}} \text{ hundredths}$$

$$1.2 = \underline{\phantom{00}} \text{ tenths}$$

5. Multiply.

|   |  |  |   |   |
|---|--|--|---|---|
|   |  |  | 4 | 6 |
|   |  |  | 2 | 7 |
| x |  |  |   |   |
|   |  |  |   |   |
|   |  |  |   |   |
|   |  |  |   |   |
|   |  |  |   |   |
|   |  |  |   |   |

6. Divide.

|   |   |   |   |   |
|---|---|---|---|---|
| 4 | ) | 8 | 5 | 2 |
|   |   |   |   |   |
|   |   |   |   |   |
|   |   |   |   |   |
|   |   |   |   |   |
|   |   |   |   |   |
|   |   |   |   |   |
|   |   |   |   |   |

# Multiply & Divide Decimals

Pre-Check: show what you know.

Score \_\_\_\_\_ / 6

1. Multiply. Write each product as a fraction.

$$3 \times \frac{2}{10} = \frac{6}{10}$$

$$5 \times \frac{7}{100} = \frac{35}{100}$$

Lesson 6.1 · A decimal times a whole number

2. Round each number to the nearest ten. Then multiply to estimate.

$$38 \times 21 \quad \underline{40} \times \underline{20} = \underline{800}$$

$$72 \times 49 \quad \underline{70} \times \underline{50} = \underline{3,500}$$

Lesson 6.2 · Estimate to place the decimal point

3. Write each fraction as a decimal.

$$\frac{7}{10} = \underline{0.7}$$

$$\frac{36}{100} = \underline{0.36}$$

$$\frac{4}{100} = \underline{0.04}$$

Lesson 6.3 · Tenths times tenths

4. Write the missing numbers.

$$0.4 = \frac{40}{100}$$

$$0.7 = \underline{70} \text{ hundredths}$$

$$1.2 = \underline{12} \text{ tenths}$$

Lesson 6.8 · Divide by a decimal

5. Multiply.

|       |   |   |   |   |
|-------|---|---|---|---|
|       |   |   | 4 | 6 |
| ×     |   |   | 2 | 7 |
| <hr/> |   |   |   |   |
|       |   | 3 | 2 | 2 |
| +     |   | 9 | 2 | 0 |
| <hr/> |   |   |   |   |
|       | 1 | 2 | 4 | 2 |
|       |   |   |   |   |

Lesson 6.4 · Multiply decimals in columns

6. Divide.

|   |   |   |   |
|---|---|---|---|
|   | 2 | 1 | 3 |
| 4 | 8 | 5 | 2 |
| - | 8 |   |   |
|   |   | 5 |   |
|   |   | - | 4 |
|   |   |   | 1 |
|   |   |   | 2 |
|   |   | - | 1 |
|   |   |   | 2 |
|   |   |   | 0 |
|   |   |   |   |

Lesson 6.6 · Divide decimals with models