Name_____ Date_____ Period_____

LESSON 3-6 · SESSION 1 · PREREQUISITE PRACTICE B · SKILL 1 OF 2

Multiply Decimals by Whole Numbers

Builds on Grade 5 · 5.NBT.B.7

TODAY'S LESSON	You will change 4.5 lb to ounces: 4.5 × 16.
YOU NEED TO	Multiply a decimal by a whole number, like 2.5 × 12 = 30. **You will use it in Practice Form A, problems 1 and 5.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Break** the decimal into a whole number and a decimal part.
2. **Multiply** each part by the whole number.
3. **Add** the two products.

WATCH ME

the steps in action

Find 6.5 × 12.

Step 1 6.5 = 6 + 0.5.

Step 2 6 × 12 = 72 and 0.5 × 12 = 6.

Step 3 72 + 6 = 78.

Answer 78

TRY IT WITH HELP

fill in each step

1. Find 1.5 × 16.

Step 1 1.5 = _____ + 0.5.

Step 2 1 × 16 = _____ and 0.5 × 16 = _____.

Step 3 16 + 8 = _____.

2. Find 2.5 × 4.

Step 1 2.5 = _____ + 0.5.

Step 2 2 × 4 = _____ and 0.5 × 4 = _____.

Step 3 8 + 2 = _____.

YOUR TURN

use the steps on your own

3. Multiply.

a. 0.5 × 16 = _____ **b.** 3.5 × 12 = _____ **c.** 2.5 × 12 = _____

d. 1.5 × 4 = _____ **e.** 3.5 × 16 = _____ **f.** 0.5 × 5,280 = _____

Solve Problems with Unit Rates

Builds on Lesson 3-2 Session 1 · 6.RP.A.2

TODAY'S LESSON	You will find the cost of 8 yards of fencing at $9 per yard.
YOU NEED TO	Use a rate, like 12 inches per foot, to find a total. **You will use it in Practice Form A, problems 2 and 8.**

STEPS TO FOLLOW

use these same steps on every problem

1. Find the **unit rate**: the amount for 1.
2. Find the **number** of units.
3. **Multiply**: number × unit rate.

WATCH ME

the steps in action

There are 12 inches per foot. How many inches are in 6 feet?

Step 1 Unit rate: 12 inches per foot.

Step 2 Number of feet: 6.

Step 3 6 × 12 = 72 inches.

Answer **72 inches**

TRY IT WITH HELP

fill in each step

4. Sam earns $6 per hour. How much does he earn in 8 hours?

Step 1 Unit rate: $_____ per hour.

Step 2 Number of hours: _____.

Step 3 8 × 6 = $_____.

5. There are 16 ounces per pound. How many ounces are in 3 pounds?

Step 1 Unit rate: _____ ounces per pound.

Step 2 Number of pounds: _____.

Step 3 3 × 16 = _____ ounces.

YOUR TURN

use the steps on your own

6. Find each total.

a. 3 feet per yard, 7 yards: _____

b. 4 quarts per gallon, 6 gallons: _____

c. 2 pints per quart, 8 quarts: _____

d. 12 eggs per carton, 5 cartons: _____

READY CHECK

a problem like the one in today's lesson

7. There are 3 feet in 1 yard. How many feet are in 12 yards?

A 4 **B** 36 **C** 15 **D** 9

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____