Name_____ Date_____ Period_____

LESSON 8-3 · SESSION 2 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Multiply Multi-Digit Numbers

Builds on Grade 5 · 5.NBT.B.5

TODAY'S LESSON	To solve $s \div 15 = 14$, you multiply 15×14.
YOU NEED TO	Multiply two two-digit numbers, like 48×23. **You will use it in Practice Form A, problems 5, 6 and 8.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Split** the second number into tens and ones.
2. **Multiply** the first number by each part.
3. **Add** the two products.

WATCH ME

the steps in action

Find 48×23.

Step 1 $23 = 20 + 3$.

Step 2 $48 \times 20 = 960$. $48 \times 3 = 144$.

Step 3 $960 + 144 = 1{,}104$.

Answer **1,104**

TRY IT WITH HELP

fill in each step

1. Find 16×13.

Step 1 $13 = 10 +$ _____.

Step 2 $16 \times 10 = 160$. $16 \times 3 =$ _____.

Step 3 $160 + 48 =$ _____.

2. Find 35×12.

Step 1 $12 =$ _____ $+ 2$.

Step 2 $35 \times 10 =$ _____. $35 \times 2 = 70$.

Step 3 $350 + 70 =$ _____.

YOUR TURN

use the steps on your own

3. Multiply.

a. $24 \times 3 =$ _____

b. $35 \times 6 =$ _____

c. $18 \times 24 =$ _____

d. $28 \times 36 =$ _____

e. $62 \times 15 =$ _____

f. $34 \times 21 =$ _____

Multiply Decimals by Whole Numbers

Builds on Grade 5 · 5.NBT.B.7

TODAY'S LESSON	Each of 4 drivers paid $23.50, so the whole bill is 4 × $23.50.
YOU NEED TO	Multiply a decimal by a whole number, like 2.5 × 4. **You will use it in Practice Form A, problems 1 and 3.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Ignore** the decimal point. Multiply the whole numbers.
2. **Count** the decimal places in the decimal.
3. **Place** the point with that many places.

WATCH ME

the steps in action

Find $14.75 × 6.

Step 1 1,475 × 6 = 8,850.

Step 2 14.75 has 2 decimal places.

Step 3 Place the point: 88.50.

Answer **$88.50**

TRY IT WITH HELP

fill in each step

4. Find 2.5 × 4.

Step 1 25 × 4 = _____.

Step 2 2.5 has _____ decimal place.

Step 3 Place the point: _____.

5. Find $12.25 × 4.

Step 1 1,225 × 4 = _____.

Step 2 12.25 has _____ decimal places.

Step 3 Place the point: $_____.

YOUR TURN

use the steps on your own

6. Multiply.

a. 0.6 × 7 = _____ **b.** 1.8 × 5 = _____ **c.** 3.25 × 4 = _____

d. 6.5 × 10 = _____ **e.** $8.50 × 6 = _____ **f.** $23.50 × 2 = _____

READY CHECK

a problem like the one in today's lesson

7. Each of 3 friends paid $12.50 for a gift. What did the gift cost?

A $3.75 **B** $36.50 **C** $37.50 **D** $375.00

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