Name_____ Date_____ Period_____

LESSON 9-4 · SESSION 1 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Multiply Two-Digit Numbers

Builds on Grade 5 · 5.NBT.B.5

TODAY'S LESSON	You will find the cookies on 16 trays: 24 × 16.
YOU NEED TO	Multiply two 2-digit numbers, like 24 × 16, with partial products. **You will use it in Practice Form A, problems 2 and 3.**

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

18 × 14

Step 1 14 = 10 + 4

Step 2 18 × 10 = 180. 18 × 4 = 72.

Step 3 180 + 72 = 252

Answer 252

TRY IT WITH HELP

fill in each step

1. 27 × 12

Step 1 12 = 10 + _____

Step 2 27 × 10 = _____. 27 × 2 = _____.

Step 3 270 + 54 = _____

2. 34 × 16

Step 1 16 = 10 + _____

Step 2 34 × 10 = _____. 34 × 6 = _____.

Step 3 340 + 204 = _____

YOUR TURN

use the steps on your own

3. Multiply. Use the same three steps.

a. 22 × 25 = _____ **b.** 19 × 23 = _____ **c.** 45 × 13 = _____

d. 36 × 12 = _____ **e.** 15 × 14 = _____ **f.** 28 × 11 = _____

Use Order of Operations

Builds on Grade 5 · 5.OA.A.1

TODAY'S LESSON	You will find 14 × 6 + 25 for a 6-hour rental.
YOU NEED TO	Find a value like 12 × 7 + 30: multiply first, then add. **You will use it in Practice Form A, problems 1, 7, and 8.**

STEPS TO FOLLOW

use these same steps on every problem

1. Do the work in **parentheses** first, if there are any.
2. **Multiply** or divide next.
3. **Add** or subtract last.

WATCH ME

the steps in action

3 × 25 + 20

Step 1 No parentheses.

Step 2 3 × 25 = 75

Step 3 75 + 20 = 95

Answer 95

TRY IT WITH HELP

fill in each step

4. 9 × 5 + 12

Step 1 Parentheses? _____

Step 2 9 × 5 = _____

Step 3 45 + 12 = _____

5. 2 × (9 + 1)

Step 1 Parentheses: 9 + 1 = _____

Step 2 2 × 10 = _____

Step 3 Nothing to add. Answer: _____

YOUR TURN

use the steps on your own

6. Find each value.

a. 3 + 2 × 5 = _____ **b.** 20 − 3 × 4 = _____ **c.** 18 ÷ 3 + 4 = _____

d. (15 − 5) × 3 = _____ **e.** 8 + 6 ÷ 2 = _____ **f.** 6 × 10 − 5 = _____

READY CHECK

a problem like the one in today's lesson

7. A rental costs $c = 12h + 30$ dollars. Find the cost for 5 hours.

A $210 **B** $90 **C** $47 **D** $420

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