Name_____ Date_____ Period_____

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

Multiply by a One-Digit Number

Builds on Grade 4 · 4.NBT.B.5

TODAY'S LESSON	Ravi wants a mean of 102 over 5 games. His target total is 102 × 5 = 510.
YOU NEED TO	Multiply a 2- or 3-digit number by a 1-digit number, like 102 × 5. **You will use it in Practice Form A, problems 3 and 6.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Break** the big number into hundreds, tens and ones.
2. **Multiply** each part by the 1-digit number.
3. **Add** the parts.

WATCH ME

the steps in action

Find 102 × 5.

Step 1 102 = 100 + 2.

Step 2 100 × 5 = 500. 2 × 5 = 10.

Step 3 500 + 10 = 510.

Answer **510**

TRY IT WITH HELP

fill in each step

1. Find 22 × 5.

Step 1 22 = 20 + _____

Step 2 20 × 5 = _____. 2 × 5 = _____

Step 3 100 + 10 = _____

2. Find 45 × 6.

Step 1 45 = 40 + _____

Step 2 40 × 6 = _____. 5 × 6 = _____

Step 3 240 + 30 = _____

YOUR TURN

use the steps on your own

3. Multiply.

a. 20 × 4 = _____ **b.** 29 × 5 = _____ **c.** 18 × 4 = _____

d. 70 × 4 = _____ **e.** 90 × 4 = _____ **f.** 72 × 3 = _____

Find a Missing Addend

Builds on Grade 4 · 4.NBT.B.4

TODAY'S LESSON	The swimmer needs a total of 145 points and has 112. So 112 + ___ = 145.
YOU NEED TO	Find the missing number in an addition, like 112 + □ = 145. **You will use it in Practice Form A, problems 1 and 2.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Write** the total you need.
2. **Subtract** what you have from the total.
3. **Check**: add your answer back.

WATCH ME

the steps in action

Find the missing number: 112 + □ = 145.

Step 1 The total needed is 145.
Step 2 145 − 112 = 33.
Step 3 112 + 33 = 145. It checks.
Answer **33**

TRY IT WITH HELP

fill in each step

4. Find the missing number: 57 + □ = 72.

Step 1 The total needed is _____.
Step 2 72 − 57 = _____
Step 3 57 + 15 = _____

5. Find the missing number: 400 + □ = 510.

Step 1 The total needed is _____.
Step 2 510 − 400 = _____
Step 3 400 + 110 = _____

YOUR TURN

use the steps on your own

6. Find the missing number.

a. 96 + □ = 120 _____ **b.** 41 + □ = 60 _____ **c.** 88 + □ = 110 _____

d. 220 + □ = 270 _____ **e.** 75 + □ = 100 _____ **f.** 139 + □ = 180 _____

READY CHECK

a problem like the one in today's lesson

7. Ravi needs a total of 510 pins in 5 games. He has 400 so far. What must game 5 be?

A 110 **B** 910 **C** 102 **D** 100

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