Name_____ Date_____ Period_____

LESSON 5-7 · SESSION 1 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Add Several Areas

Builds on Grade 4 · 4.NBT.B.4

TODAY'S LESSON	You will add six face areas, like 120 + 120 + 84 + 84 + 70 + 70 for Kai's box.
YOU NEED TO	Add a list of numbers without leaving one out. **You will use it in Practice Form A, problems 3, 5, and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Pair** numbers that make an easy ten.
2. **Add** each pair.
3. **Add** the pair totals and any number left.

WATCH ME

the steps in action

Add 18 + 24 + 12 + 36 + 30.

Step 1 Pair 18 + 12 and 24 + 36.

Step 2 18 + 12 = 30 and 24 + 36 = 60.

Step 3 30 + 60 + 30 = 120.

Answer 120

TRY IT WITH HELP

fill in each step

1. Add 15 + 27 + 25 + 13.

Step 1 Pair 15 + _____ and 27 + _____

Step 2 15 + 25 = _____ and 27 + 13 = _____

Step 3 40 + 40 = _____

2. Add 6 + 6 + 8 + 8 + 12 + 12.

Step 1 Pair 8 + _____ and 8 + _____

Step 2 8 + 12 = _____ two times

Step 3 20 + 20 + 6 + 6 = _____

YOUR TURN

use the steps on your own

3. Add.

a. 12 + 18 + 20 = _____

b. 25 + 15 + 30 = _____

c. 14 + 16 + 9 = _____

d. 35 + 45 + 20 = _____

e. 11 + 29 + 40 = _____

f. 8 + 17 + 23 + 2 = _____

Double Each Matching Face

Builds on Grade 4 · 4.NBT.B.5

TODAY'S LESSON	You will double each face pair, like 2 × 48 for the top and bottom of a crate.
YOU NEED TO	Double a number, like 2 × 47. **You will use it in Practice Form A, problems 1, 5, and 7.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Split** the number into tens and ones.
2. **Double** each part.
3. **Add** the two doubles.

WATCH ME

the steps in action

Double 47.

Step 1 47 = 40 + 7.

Step 2 Double 40 is 80 and double 7 is 14.

Step 3 80 + 14 = 94.

Answer 94

TRY IT WITH HELP

fill in each step

4. Double 36.

Step 1 36 = 30 + _____

Step 2 Double 30 is _____ and double 6 is _____

Step 3 60 + 12 = _____

5. Double 84.

Step 1 84 = 80 + _____

Step 2 Double 80 is _____ and double 4 is _____

Step 3 160 + 8 = _____

YOUR TURN

use the steps on your own

6. Double each number.

a. 2 × 15 = _____ **b.** 2 × 24 = _____ **c.** 2 × 45 = _____

d. 2 × 63 = _____ **e.** 2 × 58 = _____ **f.** 2 × 76 = _____

READY CHECK

a problem like the one in today's lesson

7. A box has faces of 20, 15, and 12 cm², one from each pair. What is its surface area?

A 47 cm² **B** 94 cm² **C** 141 cm² **D** 3,600 cm²

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