

Grade 1	Lesson: 8-4 Expanded Form	Reference to English
Math Standard(s): 1.NBT.2		Domain: Number and Operations in Base Ten
Content Objective(s):		Language Objective(s):
Students will solve addition problems by recognizing and recording its parts in small groups. 我会认出和用小组写下算式的部分来做出加法问题。		Students will speak the words inside, outside and in all while adding parts. 我在相加部分时会说 里面, 外面 和 一共。
Essential Understanding: Numbers greater than 10 can be represented as the sum of the tens and the ones.		Academic Vocabulary: Listen: Read: Write: Speak: Sentence Frame:
Materials: <ul style="list-style-type: none"> • Connecting cubes • Place Value Mat (teaching tool 7) • Number cars 0-11 (teaching tool 9) • 15 marbles and 1 small marble bag 		Language and Word Wall:
Lesson:		Instructional Time: 25 minutes

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Opening: (3 minutes)

T: “你已经学会怎么用十和一来表示数字了。我们一起来做一题。我会把一个数字写在白板上，你们要告诉我这个数字有几个十和几个一：67。哪一个数位是十位数？”

S: will raise their hand and say “6”

T: “很好，6是十位数，拿个位数呢？”

S: will raise their hands and say, “7”

T: “对，7是个位数。”

T: “今天你会学习怎么用另一个方式写出二位数字。”

T: “你手上有15颗弹珠。你的袋子只能装10颗弹珠。如果你把袋子里的10颗弹珠和手上的5颗弹珠给朋友，一共还会有15颗弹珠吗？”

S: will say yes or no.

T: “对，还是会有15颗弹珠。数量没有改变。”

Introduction to New Material (Direct Instruction): (3 minutes)

• Use document cam to show the paper.

T: “Gadget机器人只听得懂十位加个位的二位数字。Gadget 想要找出46有几个十位和个位数。(write the number 46 on the board) 我们来用方块来帮我们加十位和个位数 (make 4 groups of 10 and 6 ones).”

T: “这里有46个，4个10个一组和6个一。白板上有个等式， $\underline{\quad} = \underline{\quad} + \underline{\quad}$ 。帮我天空。我会把46写在第一个空格里。 $46 = \underline{\quad} + \underline{\quad}$ 。46等于什么？有几个十？”

S: will respond, “4 tens”

T: “对，跟我一起数 1,2,3,4 个十。我们来填入下一个空格 $46 = 4 \text{ 个十} + \underline{\quad}$ 。4个十的另一种写法是什么？”

S: will respond.

T: “我们再来数一次方块 10, 20, 30, 40. 4个十也可以说成 40. 我们用这个来代替 $46 = 40 + \underline{\quad}$ 。有几个一？”

T: will respond, “6 ones”

T: “跟我一起数 1,2,3,4,5,6. 6个一，我们来天空。 $46 = 40 + 6$ 。”

Guided Practice: (10 minutes)

Use the modeling cycle:

Teacher Does:

T: “现在换你了。我会把你们分成2个一组。每组会拿到一张纸和方块。你们要用我在白板上写的数字来天空。”

1 Students Does with Teacher:

T: “我需要一学生来帮我。”

• Teacher will choose a student.

T: “数字是32。先把32写在正确的空格里然后再用连接方块来代表这个数字。”

S: will write 32 and then make the number 32 with the connecting cubes.

T: “很好，现在我们来天空。有几个十？”

S: will respond, “3 tens.”

T: “把它写在正确的空格里。”

S: will fill in the blanks with 3 tens and 30.

• Teacher will guide the student as needed.

T: “有几个一？”

S: will respond, “2 ones”

T: “你要把数字写在哪里？”

S: will write 2 ones and 2.

T: “很好，32是3个十或30和2个一。”

2 Students Do:

• Teacher will choose two students to come up and demonstrate the activity just like above.

• They will demonstrate taking turns and using the language.

All Students Do:

T: “现在换你了。我会把你们分成2个一组。你们需要来拿一张纸然后开始。你们会做第 29, 53, 91 和 74题。”

S: will do the activity

• Teacher will walk around the room helping groups and reminding students to use the number sentence.

Assessment:

Guided Practice

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