

Grade 1	Lesson: 8-6 Problem Solving: Make an Organized List	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: Some problems can be solved by generating a list of outcomes and organizing that list in a systematic way so all outcomes are accounted for.		Academic Vocabulary: Listen: Read: Write: Speak: Sentence Frame:
Materials: • Connecting cubes • Place Value Mat (teaching tool 7)		Language and Word Wall:
Lesson:		Instructional Time: 25 - 30 minutes

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Opening: (2 minutes)

T: “你已经学会怎么用十和一来组成二位数字。今天你会学习怎么用十和一组成二位数字然后用把它们列在一个整齐的单里。”

T: “清单可以帮助你整理资料。我们买东西或学生选课程时会用到清单。(explain what is on each list or tell a story about going to the store and having a list there to tell you what you need to buy. Or look at a list in the room and refer to it)

T: “我们每天都会用到清单。”

Introduction to New Material (Direct Instruction): (4 minutes)

T: “今天我们要来找出有几种方法可以表示数字，但是你们会写在清单里，不是算式里。我们一起做一题。”

• Write the number 67 on the board.

T: “我在白板上写了67。这里有67个连接方块。帮我数10, 20, 30, 40, 50, 60, 61, 62, 63, 64, 65, 66, 67. 67个连接方块。”

S: will count with the teacher.

T: “我来把这些资料放在清单里。有几个十？跟我一起数1,2,3,4,5,6. 6个十。”

S: will count with the teacher.

T: “我会把6写在十的清单里。有几个一？跟我一起数 1,2,3,4,5,6,7. 有7个一。”

S: will count with the teacher.

T: “我会把7写在一的清单里。6个十和7个一。还有其他显示67的方式吗？”

S: will respond, “yes, break down a tens.”

T: “很好，我可以把1个十分开。现在我还剩下几个十？告诉你旁边的同学。”

S: will turn to their neighbor and tell them “5”

T: “用手指比给我看。”

S: will show with their fingers, 5

T: “对，我们有5个十，我来把它写在清单里。我有几个一？跟我一起数1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17. 有17个一。”

S: will count with the teacher.”

T: “我来把它写在一的清单了。所以我有5个十和17个一，这也等于67。”

• Continue this exercise until all the tens are broken down to ones.

T: “我们来看看我们的清单，一共有几种表示67的方式？”

S: will respond, “7 ways”

Guided Practice: (10 minutes)

Use the modeling cycle:

All Students Do:

T: “现在我要把你们分成2个一组。你们要找出有几种表示84的方式。你们每个会拿到一张纸来写上所有表示84的方式。

1. 先用连接方块来代表这个数字。

2. 写下有几个十和几个一。

3. 把一个十分开。

4. 写下有几个十和几个一。

一直这样做直到没有十可以分开为止。你可以开始了。”

• Teacher will break the students up into groups of 2.

S: will go with their partners, collect the materials and begin the activity.

• Teacher will gather the students back together after 3-4 minutes.

Closing: (4 minutes)

• Hand out white boards, markers and erasers.

T: “现在我们来做一个应用题。我边念出题目，你们边为这题画个图并写下题目与答案。Carl写出表示25的所有方式。请写下你所知道的方式。”

S: will write all the ways to make 25 with tens and ones.”

T: “你还有10秒钟，之后请把白板拿起来给我看。”

S: will show the teacher their boards.”

T: “很好，我们一起来做。数字是25。25有几个十？用手指比给我看。”

S: will show 2 with their fingers.

T: “在十的清单里写下2。有几个一？用手指比给我看。”

S: will show 5 with their fingers.

T: “我会在一的清单写下5。现在我要把一个十分开。我现在还有几个十？大家一起说。”

S: will say “1”

Assessment:

Guided Practice

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