

Grade 1	Lesson: 3-1 Representing Numbers on a Ten-Frame	Reference to English
Math Standard(s): 1.OA.5	Domain: Operations and Algebraic Thinking	
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 to 10 can be represented on a ten-frame using 5 and 10 as benchmarks.	Academic Vocabulary: Listen: 里面, 外面, 一共 Read: Write: Speak: 里面, 外面, 一共 Sentence Frame:	
Materials: • Number cards 0-10 (teaching tool 9) • Counters (teaching tool 14) • Student math workbooks	Language and Word Wall:	
Lesson: Representing Numbers on a Ten-Frame	Instructional Time: 40 minutes	

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Opening: (5 minutes) – Ask students to hold one hand up.

T: “你一只手上有几只手指？”

- Students will count fingers, then give answer

T: “你另外一只手上有几只手指？”

- Students will count fingers again, then give answer

T: “你一共有几只手指？”

- Students count, then give answer

T: “你可以怎么比出4只手指？”

- Students hold up 4 fingers on one hand

T: “你可以怎么比出6只手指？”

- Students hold up 5 fingers on one hand and 1 on the other

Introduction to New Material (Direct Instruction): (10 minutes)

- Teacher will write the number 4 on the board.

T: “这是4。今天你会学习怎么把这个数字和其他数字写在十方格里。但是我们需要先知道十方格十什么。”

- Teacher will draw a ten-frame on the board.

T: “这是一个十方格。是一个有十个正方形的格子。上面那排有几个空格？”

- Students say the answer: 5

T: “下面那排有几个空格？”

- Students say the answer: 5

T: “一共有几个格子？”

- Students say the answer: 10

T: “很好。现在你需要在十方格里写上数字。我们来用4。我来数到4。我会把标记物从左边放到右边，就像在看书一样。”

- Teacher will use counters, place 4 counters in the ten-frame from left to right as you count: 1, 2, 3, 4.

T: “好，我做完了，我用标记物和十方格来表示四。现在我们试试看六。”

- Teacher will use counters, place 6 counters in the ten-frame as you count: 1, 2, 3, 4, 5, and then STOP.

T: “糟糕！上面这排不够格子，我第六个要放在哪里？”

- Teacher will have students give you suggestions where to put it.

T: “好，我会把它放在下面那排的第二个空格里。”

- Teacher will place the sixth counter in the first space in the bottom row of your ten-frame.

Guided Practice: (10 minutes)

T: “现在我们一起做。我会给你一些标记物和数字卡。你会用课本的第91页。我们一起来做第一题。”

Use the modeling cycle:

1. Teacher Does:

T: “我们一起做第1题。我会选一张数字卡。大家看，这是_____。” (pick any number). “我把标记物放在十方格里时，你们跟着一起数。我会从左边开始放。”

2. Students Do with Teacher:

T: “现在换你们了！”

- Students form partnerships. If they need help, put them in partners yourself.

T: “选一张卡，然后把它放在桌上所以你看得到。在第91页上的十方格里放标记物。从十方格左上角开始。上面那排满的时候就放在下面那排，一样从左边开始。做完时，在十方格里画标记物。要记得，每个格子里只能画1个标记物。你画完时，写下十方格显示的数字。”

3. Students Do:

- Students do numbers 1-4 on page 91.

Independent Practice: (10 minutes)

T: “很好！现在换你自己做了。做第91页上的第5, 6, 7和8题。”

- Students do problems 5, 6, 7, and 8.

Closing: (5 minutes)

T: “今天你们学会怎么用十方格和数到十，就像这样。”

- Using your ten frame on the board, show 7 by putting counters on the ten-frame from left to right.

Assessment:

Problems 5-8

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