

Grade 2	Lesson: 4-1	Reference to English
Math Standard(s): 2.OA.4 Domain: Operations and Algebraic Thinking		
Content Objective(s):		Language Objective(s):
Students will model repeated addition to write number sentences. 我会表示出重复的加法来写出算式。		Students will use the phrase repeated addition to describe adding multiples of the same number. 我会用“重复加法”这个词语来描述相加一个数字的倍数。
Essential Understanding: Repeated addition involves joining equal groups.		Academic Vocabulary: Listen: 重复加法, 相等的组 Read: 所以 Write: Speak: 加 Sentence Frame: ____加____加____加____
Materials: • Two color counters (Teaching tool 10)		Language and Word Wall: 重复, 相等
Lesson: Repeated Addition		Instructional Time: 35 mins
<p>Opening: (5 minutes) – Choose 5 students to come up to the front of the class. Give each two crayons. T: “我们可以找出一共有几支蜡笔？” Write $2+2+2+2=$ on the board. T: “我知道有 5 个小朋友, 每个人有 2 支蜡笔。我可以做 $5+2=$来找出答案吗? 用大拇指比给我看。” S: Thumbs down T: “好, 请每个学生把蜡笔拿给我, 跟我一起数。” S: will count loud loud, 2,4,6,8,10 T: “5 个小朋友, 每个有 2 支蜡笔, 所以一共有 10 支蜡笔。”</p> <p>Introduction to New Material (Direct Instruction): (10 minutes) Arrange students in pairs. Each pair should have page 101 and counters. T: “有四个人一起去爬山。每个人带了四颗桔子。你要怎么找出一共有几颗桔子? 请跟同学用 101 页上的船和计数板来解答问题。” S: will work with partners T: “很好, 我们一起来做。这个船里有 4 个盒子。每个盒子是用来代表你要相加的数字。我们的应用题里有 4 个人去爬山然后每个人有 3 颗桔子。每个盒子代表一个人。所以你要在每个盒子里放几个计数板?” S: will put three counters in each box T: “这些盒子里有一样多数量的计数板吗?” S: Yes T: “这些叫做相等的组。所以在第一题, 我们可以写下 $3+3+3+3=$. 数你的计数板然后写下答案。” S: will count and write in the addition sentence T: “如果每个去爬山的人收集了 4 个叶子, 请用计数板来找出答案并写在第二题的空格里。” S: in pairs, students work to solve T: “很好, 所以我们的加法算式是 $4+4+4+4= 16$” S: will check their answers, fill in number 2 T: “如果我们说每个爬山的人收集了 2 个橡树果实, 请用计数板来解答问题。” S: will work together to solve T: “很好, 我们的算式是 $2+2+2+2=8$。”</p> <p>Guided Practice: (5 minutes) <u>Use the modeling cycle:</u> Teacher Does: T: “看第 102 页。把手指放在第一题上。” S: Students will point to number 1 T: “你要把它们相加然后找出一共有几个。 第一题是 $2+2+2=$ 跟我一起两个一数 2,4,6. 很好! 6.”</p> <p>2 Students Do with Teacher: T: “我需要 2 个学生来帮忙。” S: two students will come up and lead the class in doing number 2.</p>		

Independent Practice: (10 minutes)

T: “现在换你自己做了。请做到第 10 题。”

S: will work independently

Walk around the room watching students work.

Closing: (5 minutes)

T: “今天做得很好。现在我要给你一张纸，请在上面画出这个题目的图并写下加法算式。我有四个碗，每个里面有 3 颗樱桃。一共有几颗樱桃？”

S: will draw

Clap hands for attention.

T: “请把纸收起来然后拿着纸站起来。”

S: will stand with paper only

T: “请找一个人跟你合作，然后坐下。”

S: will find someone and sit down

T: “轮流告诉彼此你怎么解答的。”

Assessment:

Collect half-sheets of paper and assess children's understanding

REVIEW – NOT FOR PUBLICATION
PROPERTY OF USOE