

<b>Grade 1</b>	<b>Lesson:</b> <b>11.4 Using Mental Math to Subtract Tens</b>	Reference to English
<b>Math Standard(s):</b> <b>Base Ten</b>	<b>1.NBT.6</b>	<b>Domain: Number and Operations in</b>
<b>Content Objective(s):</b>	<b>Language Objective(s):</b>	
Students will subtract multiples of 10 from two-digit numbers using mental math. 我会用心算来做出二位数字减掉10的倍数。	Students will say subtraction sentences to their partner. 我会说出减法算式。	
<b>Essential Understanding:</b> Subtracting tens is like subtracting ones.	<b>Academic Vocabulary:</b> <b>Listen:</b> <b>Read:</b> <b>Write:</b> <b>Speak:</b> <b>Sentence Frame:</b>	
<b>Materials:</b> • Mini Ten Frames (Teaching tool 6) • Math workbooks	<b>Language and Word Wall:</b> 棒球卡, 选	
<b>Lesson:</b>	<b>Instructional Time: 45 minutes</b>	

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**Opening: (5 minutes) –**

T: “你已经学会怎么用心算来做加法了。今天你会学习怎么用心算来做减法。在哪些情况下需要用心算做减法?”

- Discuss children’s answers with them.

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

T: “好，仔细听，假设你有89张棒球卡。你把30张给你的弟弟。如果你不用纸和笔，你要怎么找出你还剩下几张卡？听起来很难吗？其实不难，蛮简单的。”

- Students tell you whether or not they think it sounds easy to do.

T: “你已经学会怎么用心算来相加十和二位数字了，不是吗？要怎么做？”

- Count on by tens

T: “因为减法是加法的相反，你觉得我们可以怎么用心算来做十减二位数字？”

- We can just count BACK by tens!

T: “请把课本翻到367页。”

- Hand out mini ten frame cards to the students.

T: “我们来看第1题。我要你在第一个空格里写76。写完之后，请用十方格来表示76。”

- Wait until everyone has finished writing and modeling.

T: “接下来，选个在星星上的数字。你要先选哪一个都可以。把那个数字写在下一个格子里。做完之后请用十方格做减法。”

- Once children have completed item 1, have them stop.

**Guided Practice: (15 minutes)**

Use the modeling cycle:

**1. Teacher Does:**

T: “现在你知道怎么做这种题目了，我再来示范一题。我来做第2题。我会从53开始，所以我会把它写在第一个空格里。接下来，我会选一个星星。我选的星星有10的数字。我会写下来。”

T: “把减法算式告诉你旁边的同学。”

S: will tell their neighbor, “53 minus 10.”

T: “我有53-10。现在我会用十方格来解答53-10。”

T: “我需要先做53，跟我一起数10, 20, 30, 40, 50, 53。”

T: “我会减掉一个10，所以我会拿走一个十方格。我还剩下多少？告诉你旁边的同学。”

S: will say, “there are 43 left.”

T: “我们再一起数一次。10, 20, 30, 40, 43。我会把答案写在第1题的最后一个空格里。”

- Write the number sentence on page 367 as you model.

T: “把减法算式念给你旁边的同学听。”

S: will say, “53 minus 10 equals 43.”

**2. Students Do with Teacher:**

T: “现在我们一起来做第3题。这次我们从49开始。大家把49写在第一个空格里。”

- Check to make sure everyone has done so.

T: “很好，我们来选一个星星。谁要帮我们选？”

- Choose one student to pick a number. Like last time, model the problem with the students, this time having students write the number sentence as they go and use their ten frames as you model on the overhead.

**3. Students Do:**

- Students try number 4 with their partner, have them start with the number 88.

**Independent Practice: (10 minutes)**

T: “我要你们做368 – 369页的第1 – 10题。”

- Remind students to use their mini ten frames to help them. Also remind them that to subtract mentally, they can count back by tens.

**Closing: (5 minutes)**

T: “在这个课程里，你学习到怎么用心算来做二位数字减掉十的倍数。”

- Practice choosing any 2 digit number and counting backwards by 10.

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