Grade 2	Lesson: 7-1 Subtracting Tens	Reference to English

Math Standard(s): 2.NBT.8 (also 2.NBT.5 and 2.NBT.9)   **Domain: Numbers and Operations in Base Ten**

Content Objective(s):	Language Objective(s):
Students will subtract multiples of 10 from two-digit numbers using mental math. 我会用心算做二位数字减 10 的倍数。	Students will explain the order they use to subtract by tens. 我会解释怎么减 10 的倍数。
Essential Understanding: Subtracting tens is like subtracting ones.	**Required Academic Vocabulary for Word Wall:** **Listen:** **Read:** **Write:** **Speak:** **Sentence Frame:**
Materials: • Little Ten-Frames (Teaching Tool 7) • Whiteboards, erasers and markers • Subtracting Ten Page (page 187) • Guided Practice (Page 188)	**Additional Lesson Vocabulary:** 蜡笔，减，加，十

Lesson:	Instructional Time: 30 -35 minutes

Opening: (5 minutes)
T: "你已经学会怎么用心算做加法了。今天你会学习怎么用心算来做减法。"
T: "我们一起来用心算来做加法。"
• Write 24 + 20 = ___ on the board.
T: "我要先做什么？告诉你旁边的同学。"
S: *will tell their neighbor, "add the tens."*
T: "我要先加十位数。**20** 加 **20** 等于 **40**。我来把 **40** 写在白板上。接下来要做什么？"
S: *will respond, "add the ones."*
T: "对，我要加个位数。**0** 加 **4** 等于什么？用手指比给我看。"
S: *will show 4 with their fingers.*
T: "**40** 加 **4** 等于… 大家一起说，**44**。我来写下来。请告诉你旁边的同学原本的加法算式。"
S: *will say to their neighbor, "24 + 20 = 44."*

Introduction to New Material (Direct Instruction): (7 minutes)
T: "现在换减法了。我会在白板上写下一个空的减法算式。"
• Write a blank subtraction sentence on the board.
T: "你有 **98** 支铅笔。"
• Write 98 on the first blank.
T: "你给朋友 **20** 支铅笔。"
• Write 20 on the second blank.
T: "还剩下几支铅笔？用心算来做减法。"
S: *will mentally subtract 98 – 20 = ___.*
T: "时间到。我们加二位数字时，我们用十个一数。你觉得我们也可以这样做减法吗？用大拇指比给我看。"
S: *will show thumbs up or down.*
T: "可以，我们来用十的棒子。**98** 需要几个是的棒子？"
S: *will respond, "9"*
T: "对，你需要 **9** 个十的棒子。跟我一起数, **10, 20, 30, 40, 50, 60, 70, 80, 90.**"
S: *will count with the teacher.*
T: "现在我们需要减掉 **20** 或个十的棒子。**1,2.** 我们还剩下几个？告诉你旁边的同学。"
S: *will tell their neighbor, "7" or "70"*
T: "跟我一起数, **10, 20, 30, 40, 50, 60, 70.** 还剩下 **70**。不要忘记 **98** 里面的个位数。当你减十的时，个位数不会改变。**98** 减 **20** 等于什么？"
S: *will respond, "98 – 20 = 78"*

Guided Practice: (10 minutes)
Use the modeling cycle:
Teacher Does:

T: "现在换你和同学一起练习做这 **4** 题。 **(page 187).**

<u>1 Students Does with Teacher:</u>
T: "我需要一个学生来帮忙。"
•   Teacher will choose a student.
T: "题目是 **64** 减 **30**。"
•   Write the problem on the board 64 – 30 = _____.
T: "你要先做什么？"
S: *will respond, " first I subtract the tens."*
T: "对，你要先减十位数。**60** 减 **30** 等于什么？跟我一起数 **60, 50, 40, 30.**"
S: *will count with the teacher.*
T: "**60** 减 **30** 等于 **30. 接下来呢？**"
S: *will respond, "next, the ones stay the same."*
T: "答案是什么**, 64 – 30 =** 什么**?**"
S: *will respond, "64 minus 30 equals 34."*
T: "很好，记得在做的时候要说出算式。"
T: "谢谢你的帮忙，请坐。"

<u>2 Students Do:</u>
T: "我需要 **2** 个学生来帮忙。"
•   Teacher will choose 2 students.
T: "我需要你们帮我示范这个活动，记得说出
      ○ 我们要先减十位数
      ○ 接下来，我们要减个位数
      ○ ___ - ___ = ____.
•   Write the sentence frames on the board.
S: *will demonstrate the activity using the sentence frames.*
T: "谢谢你的帮忙，请坐。"

<u>All Students Do:</u>
T: "现在换你了。纸上有 **4** 个数字。你需要用那些数字，但是一题一个而已。你要从 **96** 开始。在第一题上写 **96 –** ___ = ___. 你来选第二个数字。"
•   Teacher will pass out page 187.
S: *will finish the four problems.*
•   Teacher will walk around the room listening to the student conversations and checking their work.
T: "(teacher will clap hands), 时间到，请回到地上的座位。"
•   Collect all the papers.

Independent Practice: (7 minutes)
T: "现在换你自己做了。我们一起做第一题然后你自己做第 **2－5** 题。"
T: "我叫你的名字时，请回座位。"
•   Teacher will call out the student names and send them to their tables.
•   Teacher will pass out guided practice page 188.
T: "看第 **1** 题**, 38 – 20 =** ____. 我们要先做什么？"
S: *will respond, "subtract the tens."*
T: "对，我们要减十位数。 **30 – 20 =** ____. 跟我一起数 **30, 20, 10.**"
S: *will count with the teacher.*
T: "个位数没有改变。**18. 跟我一起说出减法算式, 38 – 20 = 18.**"
T: "很好，现在话你了。请做第 **2－5** 题。你有 **4** 分钟来完成。"
S: *will complete problems 2-5."*
•   Teacher will walk around the room checking student work.
T: "(teacher will clap hands), 时间到，请回到地上的座位。"
•   Collect all the papers.

Closing: (3 minutes)
•   Pass out whiteboards, erasers, and markers.

T: "我们一起来做一题。我来说一个应用题，但是我会先把空减法算式写在白板上。"

T: "**Shandra** 桌上有 **77** 支蜡笔。"

S: *will write 77 on their board.*

T: "她把 **40** 支放在盒子里。"

S: *will write 40 on their board.*

T: "她的桌上还剩下几支蜡笔？用心算来减十位数，然后在白板上写下答案。"

S: *will solve 77 – 40 on their board and write the answer.*

T: "给我看你的白板。很好，**77 – 40 = 37.** 把减法算式念给你旁边的同学听。"

S: *will read, "77 – 40 = 37."*

T: "非常好。"

Assessment:
Guided Practice