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): Students will subtract multiples of 10 from two-digit numbers using mental math.

Language Objective(s): Students will explain the order they use to subtract by tens. I will explain how to subtract tens.

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做减法。”
T: “我们会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).

1 Students Does with Teacher:
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. 下面呢?”
S: will respond, “next, the ones stay the same.”
T: “很好，记得在做的时候要说算式。”
T: “谢谢你的帮忙，请坐。”

2 Students Do:
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。”

All Students Do:
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.
“我们一起来做一道题。我来说一个应用题，但是我会先把空减法算式写在白板上。”
Shandra 桌上有 77 支蜡笔。
她把 40 支放在盒子里。
“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。”
“把减法算式念给你旁边的同学听。”
“非常好。”

Assessment:
Guided Practice