Grade 1	Lesson: 9.3 Comparing numbers with >, <, =	Reference to English
Math Standard(s): 1.NBT.3		**Domain: Number and Operations in Base Ten**
Content Objective(s):		**Language Objective(s):**
Children will compare two-digit numbers using symbols. 我会用符号来比较二位数字。		Students will say ___ is bigger or ___ is smaller to their partner when comparing numbers. 我在比较数字时会说___大于或___小于。
Essential Understanding: Place value can be used to compare and order numbers		**Academic Vocabulary:** **Listen:** 大于，小于 **Read:** **Write:** **Speak:** 大于，小于 **Sentence Frame:**
Materials: • **Connecting cubes** • **Student math workbooks**		**Language and Word Wall:** 数字
Lesson: Comparing numbers with >, <, =		**Instructional Time: 45 minutes**

Opening: (5 minutes) –

T: "你已经学习关于二位数字的十位和个位。今天你会用十和一来比较二位数字。

- Ask 5 children to come to the front of the class. Have them stand as a group of 3 and a group of 2. Ask the class how many children are in each group. "Which group has more children?" (The one with 3 children). "Which group has fewer children?" (The one with 2 children).

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

T: "哪一个数字比较大？24还是34？"

- Students raise hands and respond

T: "你怎么知道？"

- Students raise hands and respond.

T: "今天我们会学习怎么知道哪个数字比较大，哪个数字比较小。有时候两个数字会是相等的或一样的！"

- Draw 2 groups of circles on the board: one group with 8 circles and another group with 5 circles. Write the number of circles below each group.

T: "8 颗苹果多于5颗苹果，所以8大于5。5颗苹果少于8颗苹果，所以5少于8。"

- Now, write the numbers 24 and 34 on the board.

T: "这两个数字比5和8大很多，所以我要用方块来帮助我。"

- Using connecting cubes, make 24 (2 trains of 10 and 4 singles) and make 34 (3 trains of 10 and 4 singles).

T: "现在你看得到这两个数字的大小，哪个比较大，24还是34？"

- Students respond that 34 is bigger.

T: "方块怎么帮助你知道哪个数字比较大？"

- Students give their thoughts and answers.

T: "很好，现在注意看我画什么。"

- Draw the symbols > and < on the board.

T: "这里有两个符号。这两个符号代表大于和小于。你看这两个符号，它们都有一个比较大的口，就像鳄鱼的嘴巴。张开的部分一定会向着比较大的数字。现在我们来看24和34。我会用符号来表示出34比24大。"

- On the board, write 24 < 34

Guided Practice: (15 minutes)

T: "你看，蛮简单的，对不对？我们再一起来做几题。"

- Have everyone take out their math workbooks and turn to page 308 and 309. Pass out connecting cubes to each student.

Use the modeling cycle:

1. Teacher Does:

T: "我们来看第1题，我来示范给你们看。我需要决定28大于，小于 或等于41。你怎么知道？我可以用连接方块来帮助我。但是因为第一题已经有个图案了，所以我不需要这么做。我们来看看。哪个看起来比较大？28 还是41?"

- Students say "41 looks bigger"

T: "很好! 41比较大因为它有比较多个十。现在我要写出答案。我要写出"小于"因为28小于41, 之后我会用符号来表示。记得鳄鱼的嘴巴要往比较大的数字，所以我要写 28 < 41。"

- Model on the overhead writing your answers in.

2. Students Do with Teacher:

T: "我需要一个学生来帮我。"

T: "哪一个数字比较大？15还是34？"

S: will say, "34 is bigger."

T: "没错，34比较大。哪一个数字比较小？"

S: will say, "15 is smaller."

T: "对，15比较小。所以我现在要把它写在白板上。15小于34。你可以帮我写下来吗？"

S: will write 15 <34 on the board.

T: "现在换你们了！记得要说出___比较大 和___比较小。跟我一起练习。34是比较大。"

S: will say, "34 is bigger."

T: "我们来说15比较小"

S: will say, "15 is smaller."

T: "很好，现在换你们来解答第2题。"

- Students do number 2 with a partner. Have them write the answers in their workbook when they have solved the problem.

Assessment: Student math workbook page 309, numbers 5-14.