Math Expressions: Unit 1: Lesson 1: First Grade
Standard: 1.OA.5 Add and subtract within 20 (relate counting to addition and subtraction).

Materials:
Student stair steps

Instructions:
1. Using the Stair Step Work Space, model for children the counting sequence of x + 1 more is and x-1 less is for numbers 1-5. Have children return to their desks and use their student set of stair steps to continue this pattern with numbers 6-10.
2. Using the Stair Step Work Space, model for children how to represent a number as a five group plus extras. Again, have students return to desks and use their student set of stair steps to model on their own numbers 6-10.
3. Pair students up and present the Puzzled Penguin exercise. Have students work together to construct a viable argument.

Resources:
Math Expressions Grade 1 Teacher's Manual
Student stair steps or page 2-3 in student activity book
Stair Step Work Space:
https://docs.google.com/a/mcpsmt.org/drawings/d/1oI9m5ea_TwrywOyN55bHPG-Ik8-kzQ3M68QGEUX_H1s/edit

Formative Assessment Rubric:
https://docs.google.com/a/mcpsmt.org/spreadsheets/d/1B62ny-zGCQGUg0bpu-154WalEo-c0iiJ8Pfzr0vUvu4/edit#gid=0