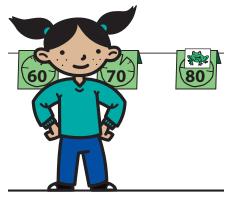
Bridges in Mathematics Grade 1

Unit 4: Leapfrogs on the Number Line

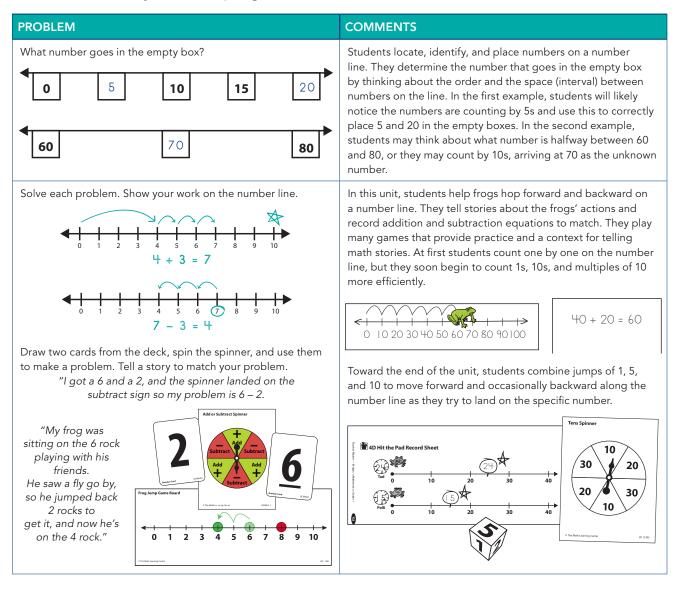
In this unit your child will:

- Locate, identify and order numbers to 120 on a number line
- Count forward and backward by 1s, 5s and 10s
- Add, subtract, and solve word problems using a number line

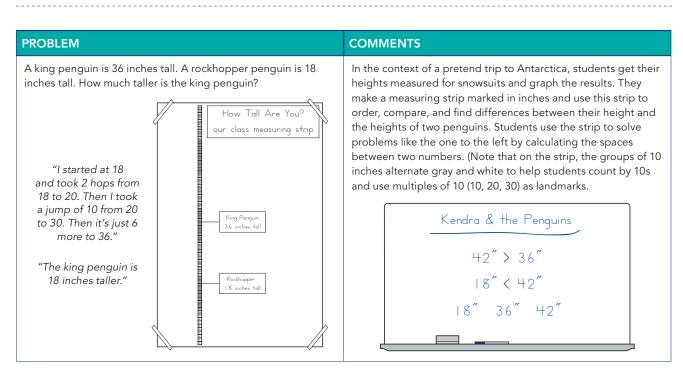


Measure, order, and compare height in inches

Your child will solve problems like those shown below. Keep this sheet for reference when you're helping with homework.



Grade 1, Unit 4: Leapfrogs on the Number Line



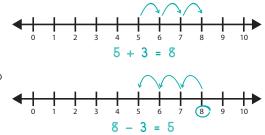
FREQUENTLY ASKED QUESTIONS ABOUT UNIT 4

Q: Why is the number line used to teach adding and subtracting?

A: Number lines help students see similarities, differences, and important relationships between numbers. Each number on the line indicates its distance, or how many intervals it is, from 0.

Students can count the intervals (spaces) between numbers to calculate. To add 5 + 3, a student might start at 5 and move 3 intervals to the right to determine the sum, 8.

To subtract 8 - 3, a student might start at 8 and move 3 intervals to the left to arrive at 5. In this way, students can think of adding and subtracting as a process of moving from one number to another.



The number line provides a good visual image of skip-counting patterns and encourages students to count by 10s. They can think of adding 10 (and multiples of 10) as jumps of 10 forward and subtracting 10 (and multiples of 10) as jumps of 10 backward.



Once students become good at adding or subtracting 10 to any number, they usually generalize this skill to problems such as 34 + 30 by seeing it as 34 + 10 + 10 + 10 or $34 \dots 44$, 54, 64.

Later, students will use combination jumps of 1s, 5s, and 10s to solve more complex problems:

