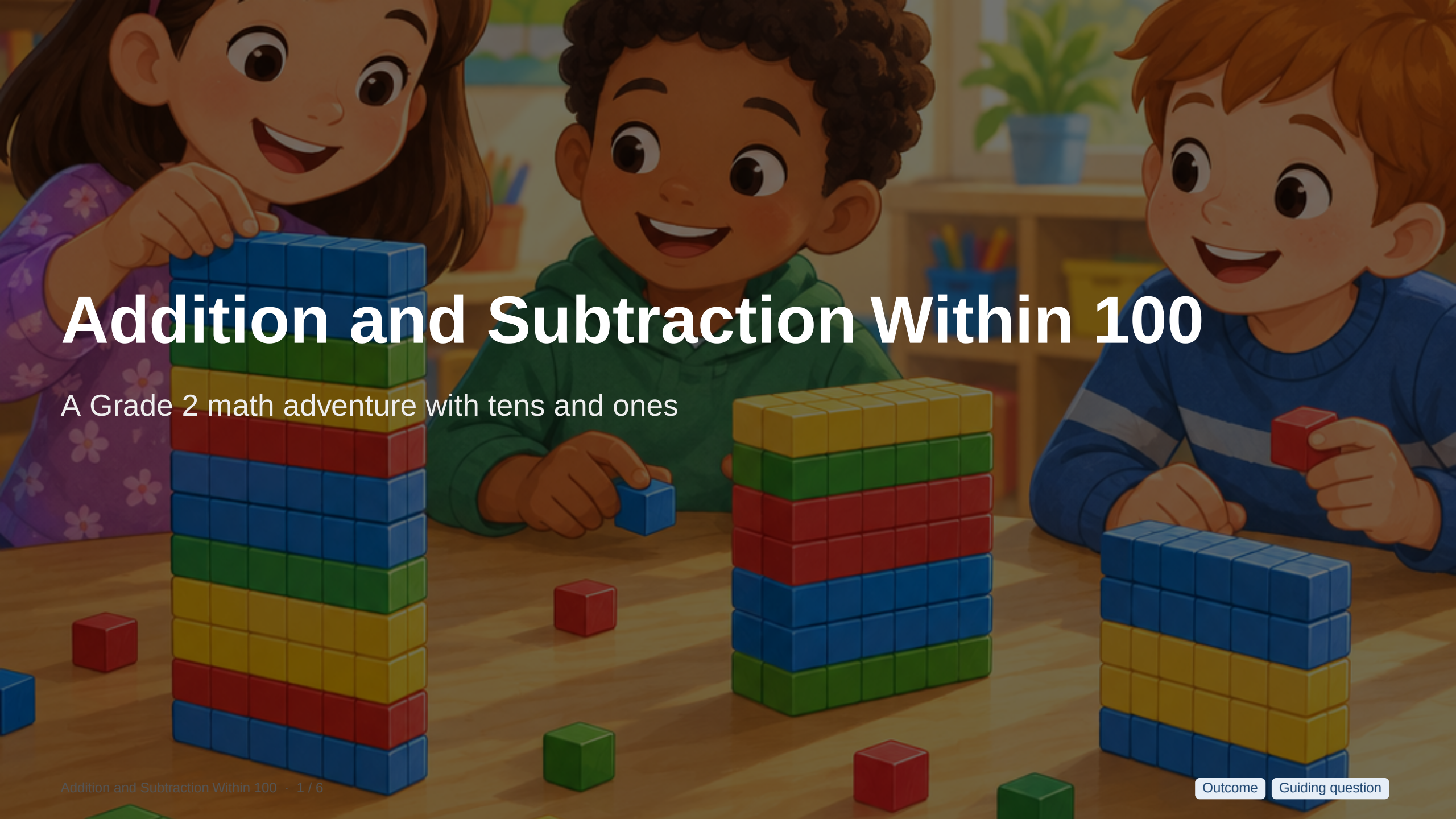


An illustration of three children playing with colorful base-ten blocks on a wooden table. On the left, a girl with long brown hair and a purple floral shirt is smiling and holding a tall stack of blocks. In the center, a boy with curly brown hair and a green hoodie is smiling and holding a small blue block. On the right, a boy with short brown hair and a blue striped shirt is smiling and holding a small red block. There are three main stacks of blocks: a tall one on the left, a medium one in the center, and a shorter one on the right. The blocks are in various colors (blue, green, yellow, red) and are arranged in groups of tens and ones. The background shows a blurred indoor setting with a potted plant and a shelf.

Addition and Subtraction Within 100

A Grade 2 math adventure with tens and ones

What We Will Learn

- We will add numbers up to 100.
- We will subtract numbers up to 100.
- We will find missing numbers in a sum or difference.
- We will check our answers with a different operation.
- We will use tens facts we already know to help us.

A Strategy for Adding Two-Digit Numbers

1

Look at the tens

Add the tens together first, like 30 plus 20.

2

Look at the ones

Add the ones together, like 4 plus 3.

3

Make a ten if you can

If the ones make 10 or more, trade for a new ten.

4

Put it together

Join the tens and ones to find the sum.

Addition and Subtraction Are Connected

Fact Families

Addition facts have matching subtraction facts. If we know 6 plus 4 equals 10, we also know 10 minus 4 equals 6. These related facts form a fact family.

Checking Our Work

We can check a sum by subtracting one addend back. We can check a difference by adding it back to the number we subtracted. This uses inverse operations.

Ways to Solve a Problem

Combine parts

Put two groups together to find the whole.

Take away

Remove part of a quantity from the whole.

Compare

Find how much bigger or smaller one group is.

Missing number

Find the unknown part, sum, or difference.

Great Work With Numbers to 100!

We practiced adding and subtracting numbers up to 100. We used tens and ones, fact families, and inverse operations to solve and check problems. Next year, we will use these same ideas with numbers up to 1000.

Can you make up your own addition problem that adds up to exactly 100?