

An illustration of three children sitting at a wooden table, playing with various math manipulatives. On the left, a girl with dark hair in a purple shirt is smiling and holding a tall stack of blue base-ten blocks. In the center, a boy with brown hair in a green hoodie is smiling and holding a single blue block. On the right, a girl with curly hair in a yellow shirt is smiling and resting her chin on her hand. The table is covered with various manipulatives: several tall stacks of blue base-ten blocks, a large red cube made of smaller red blocks, a smaller red cube, a stack of green flat squares, a single green flat square, a pile of yellow small cubes, a red flat square, and a wooden abacus with red, orange, yellow, green, and blue beads. A blue cup with colored pencils is on the left. The background shows a bookshelf with books and a blue storage bin.

Adding and Subtracting to 100

Grade 2 Math: playing with numbers up to 100

What Are We Learning?

- We add numbers to make a sum up to 100.
- We subtract numbers starting from up to 100.
- A sum can be made in many different ways.
- We check our answers using the opposite operation.

Strategies We Can Use

Making tens

Group numbers to make friendly tens, like $8 + 2 = 10$.

Using doubles

Use known doubles, like $6 + 6$, to help with harder facts.

Number facts to 10

Recall facts like $4 + 5 = 9$ quickly, without counting.

Checking with inverse

Use subtraction to check an addition answer, and the reverse.

Building 100 with Tens

1

Start with 0

We begin counting from zero.

2

Add groups of 10

Count 10, 20, 30, all the way to 100.

3

Mix tens and ones

See 100 as 7 tens and 3 tens, or other combinations.

4

Add more addends

Combine three or more numbers, order does not change the sum.

Solving a Real Problem

Missing numbers and measuring lengths

A garden has 100 flower spots. 64 spots have flowers already. How many spots are still empty? We can find the missing number using addition or subtraction. We can also use addition and subtraction to compare lengths, like how much longer one ribbon is than another.

Great Math Thinking Today!

We explored addition and subtraction within 100, we saw 100 as groups of tens, we used strategies like making tens and doubles, and we solved problems with missing numbers and lengths.

Can you show one more way to make 100 using tens and ones?