

Strategies to 20

AC9M1N04_E2 Adding and subtracting numbers within 20, using a variety of representations and strategies such as counting on, counting back, partitioning and part-part-whole knowledge of numbers to 10; for example, using partitioning and combining $7+5=7+3+2=10+2=12$.

Learning Intention: We can add and subtract to 20 by counting on or back and by making ten.

✓ Count on to add ✓ Count back to take away ✓ Partition to make ten ✓ Combine the parts

1. Count On / Back

Start big, count on to add.
Count back to subtract.

2. Make Ten

Partition to bridge ten.
 $7 + 5 = 7 + 3 + 2 = 10 + 2 = 12$.

3. Part-Part-Whole

Split a number into parts.
Use parts you already know.

⚠ Watch For

Counting the start number twice
Breaking ten incorrectly
Forgetting the leftover part

Remember

Make ten to add quickly
Counting back is subtracting

Let's Talk

- How did you bridge ten?
- Which strategy was fastest?
- Can you show $7 + 5$ another way?

Materials & Models

- ✓ Ten frames
- ✓ Number line
- ✓ Counters
- ✓ Part-whole cards

Let's Try Together Use a strategy to solve each one.

$$9 + 4 = 13$$

$$8 + 6 = 14$$

$$13 - 5 = \underline{\quad}$$

$$7 + 7 = \underline{\quad}$$

$$15 - 8 = \underline{\quad}$$