

Adding & Subtracting to 20

AC9M1N04_E1 Using drawings, physical and virtual materials and number combinations within 10 to add and subtract collections to 20.

Learning Intention: We can use pictures and materials, and facts we know to 10, to add and subtract up to 20.

✓ Show the numbers ✓ Use facts to 10 ✓ Add or take away ✓ Write the answer

1. Show It

Draw or use blocks and counters.
Model each collection you are joining.

2. Use Facts to 10

Lean on pairs you know to 10.
 $6 + 4$ helps you work out $16 + 4$.

3. Add or Subtract

Join to add, remove to subtract.
Count the total that is left.

⚠ Watch For

Miscounting the materials

Losing track when joining
Mixing up add and subtract

Remember

Facts to 10 help with numbers to 20

Show it before you solve it

Let's Talk

- How did the materials help?
- Which fact to 10 did you use?
- Did the number grow or shrink?

Materials & Models

- ✓ Counters and blocks
- ✓ Ten frames
- ✓ Number line
- ✓ Drawing paper

Let's Try Together Add and subtract to 20 together.

$$8 + 5 = 13$$

$$14 - 6 = 8$$

$$9 + \underline{\quad} = 15$$

$$17 - \underline{\quad} = 10$$

$$6 + 7 = \underline{\quad}$$