

Part-Part-Whole Facts

AC9M1N04_E3 Developing and using strategies for one-digit addition and subtraction based on part-part-whole relationships for each of the numbers to 10 and subitising with physical and virtual materials; for example, 8 and 6 is the same as 8 and 2 and 4.

Learning Intention: We can use the parts that make each number to 10, and subitise, to add and subtract quickly.

✓ See the parts fast ✓ Know pairs to 10 ✓ Split a part ✓ Add or subtract

1. Subitise

Recognise small amounts at a glance.
No need to count one by one.

2. Know the Parts

Each number has known parts.
10 is 6 and 4, or 7 and 3.

3. Split to Solve

Break a part to make it easier.
8 and 6 is 8 and 2 and 4.

⚠ Watch For

Counting instead of subitising
Forgetting a number's parts
Losing a part when splitting

Remember

Numbers are made of parts
Subitising is fast seeing

Let's Talk

- What parts did you see?
- How is $8 + 6$ the same as $8 + 2 + 4$?
- Which pairs to 10 do you know?

Materials & Models

- ✓ Dot cards
- ✓ Ten frames
- ✓ Counters
- ✓ Part-whole mats

Let's Try Together Find the missing part or whole.

$$6 + 4 = 10$$

$$10 - 7 = 3$$

$$\underline{\quad} + 8 = 12$$

$$9 + \underline{\quad} = 16$$

$$13 = 6 + \underline{\quad}$$