

Part-Part-Whole with 24

AC9M1N02_E3 Use part-part-whole thinking and tools to show 24, then break 24 apart in different ways and write the parts as numbers.

Learning Intention: I can break 24 apart in different ways and write each way.

✓ Represent 24 ✓ Split the parts ✓ Record with numbers ✓ Check the whole

1. Represent 24

24 = 2 tens and 4 ones

Build 24 with materials first

Way 1: 10, 10 and 4

Way 2: 10 and 14

2. Part-Part-Whole

24 = 10, 10 and 4



3. Ways to Make 24

Whole

24

↓

10

↓

14

↓

10 + 14

= 24

⚠ Watch For

10 + 10 + 4 = 24

10 + 14 = 24

Put the parts back to make the whole.

Remember

Whole = all the parts joined
(10 + 10 + 4)

24 = 10 + 14

Parts = numbers inside 24
(10, 10 and 4)

Let's Talk

- How did you partition 24?
- Can you make 24 a different way?
- Do the parts still make 24?

Materials & Models

- ✓ MAB / base-10 blocks
 - ✓ Counters & ten-frames
 - ✓ Number cards for recording
- Use real and on-screen tools.

Let's Try Together Find different ways to make 24.

$$24 = 20 + 4$$

$$24 = 12 + 12$$

$$24 = 10 + \underline{\quad}$$

$$24 = \underline{\quad} + 6$$

$$24 = \underline{\quad} + \underline{\quad}$$