

Partition, Regroup & Rename

Unit · Standard and non-standard groupings, and the role of zero

CURRICULUM FOCUS

Partition, rearrange, regroup and rename two- and three-digit numbers using standard and non-standard groupings; recognise the role of a zero digit in place value notation.

LEARNING INTENTION We are learning to partition, regroup and rename numbers, and explain what a zero digit means.

Partition

1

Partition

Break a number into hundreds, tens and ones — its standard place-value parts.

$$234 = 2 \text{ H}, 3 \text{ T}, 4 \text{ O}$$

Rearrange

2

Regroup & Rename

Rename the same number a new way — trade a hundred for ten tens.

$$234 = 1 \text{ H}, 13 \text{ T}, 4 \text{ O}$$

Regroup

Rename

Role of zero

3

Role of Zero

A zero shows an empty place. It holds the column so digits keep their value.

$$305 = 3 \text{ H}, 0 \text{ T}, 5 \text{ O}$$

WATCH FOR

Dropping the zero — 305 is not the same as 35.

REMEMBER

Say it to students as: "Break the number into friendly parts."

LET'S TALK

How many tens are in 240? How do you know?

MATERIALS

Base-10 blocks, place-value charts, digit cards, number expanders.

TEACHER MODELLING ROUTINE

I do → We do → You do

WORKED EXAMPLES TO MODEL

234

$$2 \text{ H} \cdot 3 \text{ T} \cdot 4 \text{ O}$$

234

$$23 \text{ T} \cdot 4 \text{ O}$$

260

$$26 \text{ tens}$$

305

$$3 \text{ H} \cdot 0 \text{ T} \cdot 5 \text{ O}$$