

Adding & Subtracting

Unit · Number sentences, part-part-whole reasoning and flexible strategies

ELABORATION FOCUS

Add and subtract one- and two-digit numbers, representing problems using number sentences, and solve using part-part-whole reasoning and a variety of calculation strategies.

LEARNING INTENTION I can choose and explain a strategy for addition or subtraction and connect it to a number sentence.

Part-part-whole

Bar model

Near doubles

Bridge to 10

Number line

1

See the Parts

Find the two parts and the whole hiding inside the story.

2

Write It Down

Record a number sentence that matches the bar model.

3

Choose a Way

Pick an efficient strategy, then explain why it works.

MODEL · PART-PART-WHOLE BAR

Ali has 28 stickers and is given 15 more. Draw the bar, then write the number sentence.

Whole 43



Parts



$$28 + 15 = 43 \quad 43 - 15 = 28$$

Bridge to 10: $28 + 2 = 30$, then $30 + 13 = 43$. The two parts always rebuild the whole.

TEACHER MODELLING ROUTINE I do → We do → You do

WATCH FOR

Counting all instead of counting on, and mixing up the whole with a part.

REMEMBER

Adding zero leaves a number unchanged.

MATERIALS

Counters, ten-frames, bar-model strips, hundreds charts, number lines.