

Bar Models & Number Sentences

Elaboration 3 · Showing a problem as a bar model and a number sentence

ELABORATION FOCUS

Representing addition and subtraction problems with a bar model, writing a matching number sentence, and explaining what each number means in the story.

LEARNING INTENTION I can draw a bar model and write a matching number sentence.

Whole

Parts

Draw the bar

Number sentence

Explain it

1

Find the Parts and Whole

Read the story. Decide what you know and what you need to find.

2

Draw the Bar Model

Draw the whole on top and the parts underneath. Label each one.

3

Write and Explain

Write a number sentence and say what each number means.

MODEL · MIA HAS 34 STICKERS, KIM HAS 28. HOW MANY ALTOGETHER?

The two parts go underneath. The whole we are looking for goes on top.

Whole



total

Parts



parts

$$34 + 28 = 62 \quad 62 - 28 = 34$$

34 and 28 are the parts, 62 is the whole, so $34 + 28 = 62$ stickers.

TEACHER MODELLING ROUTINE I do → We do → You do

WATCH FOR

Putting the whole in a part box, or adding when the story asks how many are left.

REMEMBER

The whole bar is always as long as both part bars joined together.

MATERIALS

Strips of paper, counters, bar model templates, whiteboards, story cards.