

Find the Change, Fill the Gap

Elaboration 3 · Finding the constant change

ELABORATION FOCUS

Finding the amount that is added or taken away each time, and using it to fill in missing parts of a sequence.

LEARNING INTENTION I can find the change and fill the gap.

Line it up

Find the jump

Check it

Fill the gap

Prove it

1

Line Up the Numbers

Step 1: write the numbers in order. Step 2: leave a space for the gap.

2

Find the Jump

Step 3: find the jump between two numbers you know. Step 4: check it is the same everywhere.

3

Use It to Fill the Gap

Step 5: add or take away the jump. Step 6: check by counting back the other way.

MODEL · FINDING THE MISSING NUMBER

In 9, 15, 21, __, 33 the same amount is added every time.



The jump is +6 · check backwards: $33 - 6 = 27$

The jump is 6, so the missing number is $21 + 6 = 27$.

TEACHER MODELLING ROUTINE I do → We do → You do

WATCH FOR

Using only one jump, or forgetting that taking away needs the same check.

REMEMBER

The jump is the same between every pair, both forwards and backwards.

MATERIALS

Number lines, hundred charts, counters, jump cards, whiteboards.