

Missing Numbers on Number Lines

Elaboration 1 · Reading the scale to find what is missing

ELABORATION FOCUS

Recognising missing numbers on different number lines — for example, a line with every decade numbered where one mark is left blank.

LEARNING INTENTION We are learning to find a missing number by reading a number line's scale.

Read the scale

Find the step

Count on

Count back

Name it

1

Read the Scale

Step 1: look at the start mark.
Step 2: look at the end mark.
Step 3: find the step size.

2

Count On & Back

From a known mark, count on or back in tens: $190 \rightarrow 200 \rightarrow 210$.

3

Different Lines

Lines can start anywhere and step by 10, 50 or 100. Always check the step first.

MODEL ON A NUMBER LINE

Each mark counts on by ten — read the scale to name the missing number.



Count on from 190: the missing mark is 200.

TEACHER MODELLING ROUTINE

I do → We do → You do

WATCH FOR

Guessing the step is 1. Look at the first mark, then the last mark, then work out the step.

REMEMBER

Find the step between two labelled marks before naming a blank.

MATERIALS

Printed number lines, pegs, sticky notes, mini whiteboards.