

Magnitude to 120 activities

1 Where does it go on this line?

Given a number line with only its two end values marked, children estimate and mark where a target number belongs.

"What are the two end numbers on this line?"

"About how far along should your number sit?"

2 Same number, two lines

Children place the same number on two number lines with different end values, comparing where it lands on each.

"Place your number on both lines."

"Does it sit in the same spot on both? Why or why not?"

3 Where could 120 be?

Given a number line with an unusual or partly-hidden scale, children reason about where the highest number, 120, must sit.

"What do you already know about this line — its start, or any other marked points?"

"Where must one hundred and twenty be?"

4 Non-example: ignoring the end values

Someone places 50 in the exact middle of a line that goes from 0 to 120, treating it as if the line ended at 100.

"What are the actual end numbers on this line?"

"Is the middle of this line really fifty? What should it be?"

End-labelled number lines



Pointer cards



Blank number line strip



Tick and label cards

0	1	2	3	4	5	6	7	8	9
10	15	20	25	30	40	50	60	70	75
80	90	95	100	105	110	115	120		