MR 1: Counting Sequences

Target Strategies

- Exploring and recording counting sequences
- Using the language of number sequences and patterns

Note: Students can locate and create the patterns on the 100 Square and then record the sequence in the Counting Sequence boxes for this mental routine.

Closed Questions

If I start on 2 and count on in 2s, what will be the 5th number in the sequence?

I started on 1 and counted on in 10s. What are the first five numbers in my sequence?

Show the sequence that starts on 3 and counts on in 3s. What is the 10th number in the sequence?

I started on 5 and made a count on 5 – count on 10 pattern. What is the last number in the sequence that is in the 100 Square?

My sequence starts on 3 and increases by 5 each time. What is the 12th number in my sequence?

MR 1: Counting Sequences (ctd)

Open Questions

I made a count on 3 pattern, starting, on an even number. What might my sixth number be?

I made a count on 5 pattern, starting from an odd number. What might my fifth number be?

I made a counting pattern starting on 2. What might my pattern be and what number might be the fourth number in my sequence?

I made a count on in 4s sequence starting with an odd single-digit number in the first box. What might have been in the fifth box?

I made a count on pattern that ended at 44. What might my number sequence have been?

Flip Questions

We're going to play guess my counting pattern. For this game I'm only using the first five boxes. You can ask me yes/no questions to find out what number is in my fourth box? The questions need to be about counting sequences and could include:

"Did you make a 10s counting sequence?"
"Did you count on from an odd number?"
"Is your last number greater than 30?"
"Does the number in the 1s position repeat every second box?"

The last question is a neat way of asking if it is a *count on 5* sequence!