

Mental Routine 1: Counting Back



Target Strategies

- Exploring and recording counting back sequences
- Using a count-back 10s strategy
- Using the language of number sequences and patterns

Closed Questions

Note: The counting sequences should be written in that part of the mat, but encourage the students to use the Reverse 100 Square initially until they no longer need that support.

- If I start on 22 and count back in 2s, what will be the 6th number in the sequence.
- I started on 67 and counted back in 10s. What are the first five numbers in my sequence?
- Show the sequence that starts on 84 and counts back in 5s. What patterns do you notice?
- I started on 50 and made a count-back 5 pattern. Which numbers did I land on?
- My sequence starts on 91 and decreases by 5 each time. What will be the 12th number in my sequence?



Mental Routine 1: Counting Back (ctd)



Open Questions

- I made a count-back 2 pattern, starting on an odd number. What might my 6th number be?
- I made a count-back 5 pattern, starting on an even number. What might my 5th number be?
- I made a count-back pattern, starting on 98. What might my pattern be and what might be the 8th number in my pattern?
- I made a count-back 5 sequence, ending on an odd number. What might have been in my 5th box?
- I made a count-back pattern, that landed on 33. What might my number sequence have been?

Flip Questions

We are going to play “Guess my Count-back Patten”. For this game, I am only using the first 5 of the Count-back Sequence boxes. You can ask me Yes/No questions to find out what my start and end numbers are and what the other numbers in my sequence are. The questions need to be about count-back sequences and so could include:

- Did you make a count-back 10s/5s/2s sequence?
- Did you count back from an odd number?
- Is your end number less than 10?
- Does the number in the 1s position repeat every second box? (This is a different way of asking if it is a count-back in 5s sequence.)

