

How Many People Do You Need?

You should receive from your county team the number of ballots (B) cast in your precinct in 2022 election.

Assume a team of 10 (two teams of four plus two people for overhead/runners/spares) can process (batch, tally, and aggregate) 100 ballots in 50 minutes, for a rate (R) of 2 ballots/minute. After your team is trained, test their rate and adjust these numbers accordingly.

Calculate the number of minutes (M) it will take to process all the expected ballots for your precinct, where $M = B / R$

If M is less than or equal to 300 minutes (or, the 5 hours from 7PM to midnight on Election Night), 10 people should be enough to count this precinct's ballots, but more could make the job go faster.

If M is greater than 300, find the people factor (F) where $F = B / (300 \times R)$

Multiply F by 10 and then round up to the nearest multiple of 5; that is your total number of volunteers needed.

EXAMPLE: If your precinct receives 1000 ballots, then $B = 1000$, $R = 2$, $M = 1000 / 2 = 500$, so you will need more than 10 people. The people factor $F = 1000 / (300 \times 2) = 1.7$. Multiplying F by 10 is 17 people; rounding up to the nearest multiple of 5 means you need 20 people.

This estimate of people is very generous, since the voter rolls are known to have many fake voters. So when people have to show up in person and present ID, it's unlikely you will see the same ballot numbers reported in 2022.

Also, since ballot processing is based on a tally team of four, 17 people could be enough, because 17 gives you four tables of four plus one for overhead. If the one person can manage everything else while ballots are tallied (during batching and aggregating you will probably have several people standing by), dividing 1000 ballots between four teams means you should finish in just over four hours.

But if the teams don't work well together, or you anticipate a long time to add up 40 batches of 25 for aggregation, you may want the full 20 people. (And if it means you get done earlier, that's a good thing.)