Figure out all the notes you will need. Naturals, sharps, and flats are all different notes.

Figure out what other musicians will be participating in the performance, and what keys the music will be in.

Set up the naturals first, with some regular amount of tempering, working by 5ths. C-G-D-A-E-B; and C-F. This establishes all the notes of the C major scale.

Make the flats by working from F with that same regular size: F-Bb-Eb.
Make the sharps by working from B with that same regular size: B-F#-C#-G#.

G# and Eb do not connect to one another. They belong to different scales.

Ideally, C. Second choice, F. Third choice, A.

F-C-G-D-A-E-B: Fa-Do-Sol-Re-La-Mi-Ti.

We now have the following major scales (but no accidentals!): Bb major, F major, C major, G major, D major, and A major.
We also have G minor, D minor, and A minor. If our music never modulates from these keys, we might be finished.

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Adjustments

Need both G# and Ab?
  Yes → Raise it to be at or near the midpoint, and check relationships.
  No

Need both D# and Eb?
  Yes → Lower it to be at or near the midpoint, and check relationships. Consider raising B.
  No

Need both C# and Db?
  Yes → Raise it, and check relationships. Consider lowering F.
  No

Need both A# and Bb?
  Yes → Lower it, and check relationships. Consider raising F#.
  No

Assess results

Need both F# and Gb?
  Yes → Raise it slightly, and check relationships. Consider lowering Bb.
  No

Need both E# and F?
  Yes → Lower it slightly, or consider raising C#. Check relationships.
  No

Need both B and Cb?
  Yes → Raise it slightly, and check relationships.
  No

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You might have to start over with a different set of naturals.

Did you have to adjust more than two or three notes?

Yes

Fix it, and come back to test it all again.

No

Play all your music.

Does it sound good?

No

Assess results

Yes

Write down what you did, so you can do it again next time.

Finished!