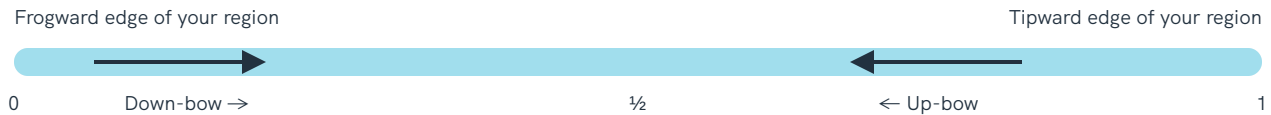


Plan travel within a teacher-chosen bow region.

Your teacher chooses a comfortable region. It can occupy only part of the bow. **0 is the frogward edge of your region; 1 is its tipward edge.** These are planning positions, not centimeter targets.



2 · NOTE LENGTHS AND BOW MARKS


 Down-bow: toward the tip
 
 Up-bow: toward the frog

All notes are open D4. Compare the note lengths; the rests complete each 4/4 bar.

Quarter · 1 beat	Half · 2 beats	Dotted half · 3 beats
 <p>Uses $\frac{1}{4}$ of your region.</p>	 <p>Uses $\frac{1}{2}$ of your region.</p>	 <p>Uses $\frac{3}{4}$ of your region.</p>

Start each two-bar 4/4 route at **0**. Follow each printed bow mark. **During every rest in these four routes, keep your bow position; do not reset it.** One route is a hypothetical calculation that leaves the region: identify it on paper; do not attempt it past the boundary.

Route A

Route B

Route C

Route D

Mini-task: Which route runs out under this model? Letter: _____

Choose Route C. During the first rest, stop the bow at $\frac{3}{4}$. Keep that position, then play the next note on an up-bow back to 0. Ask your teacher to check your hold and region. Then try Route D. Adjust for sound: these fractions are a starting plan.



Listen: tissimo.co/worksheets/violin-bow-budget
Quarter note = 60 BPM · four clicks before each route. Check Routes A, C and D after planning them.
Neutral piano pitch/rhythm references only. A teacher demonstrates bow speed and tone.

Check . turn the page:

A: 0 $\rightarrow$ 1/4 $\rightarrow$ 0 $\rightarrow$ 1/4 $\rightarrow$ 0 $\rightarrow$ 1/2 $\rightarrow$ 0 . B: 0 $\rightarrow$ 3/4 $\rightarrow$ 3/4 $\rightarrow$ 1/2 $\rightarrow$ 1/2 . C: 0 $\rightarrow$ 3/4 $\rightarrow$ 3/4 $\rightarrow$ 0 $\rightarrow$ 0 . D: 0 $\rightarrow$ 1/2 $\rightarrow$ 1/4 $\rightarrow$ 1/4 $\rightarrow$ 0 $\rightarrow$ 1/2

Route B alone runs out: bar 2, 3/4 $\rightarrow$ 1/2, past edge 1. Rests hold position.