

# Uniform intonation (2)

Uniform intonation exercises are an extremely quick and effective way to make intonation consistent, so that the same notes, played with any finger in any octave, are the same pitch. They are excellent either for developing technique, or as time-saving warm-up exercises. Practise for just fifteen minutes and then play (for example) a scale: you will be amazed at how much better the scale is without having practised it. Even the shifts will be improved.

Each bar in these two exercises contains a perfect fourth, and a semitone. Frequently check that the perfect fourth is in tune by playing it as a double-stop. Feel the accidentals as 'leading notes' up or down: tune each sharp close to the natural above, and each flat close to the natural below. Frequently check all G, D, A and E's (C on the viola) with the open strings. Play slowly, without vibrato, using either separate bows or slurred, and *memorise the feel* of each group of notes.

As shown in the examples, play each bar with four fingerings (wherever possible): start on the 1st finger, then on the 2nd, 3rd and 4th finger. Tune each fingering exactly the same, so that without seeing your left hand nobody would imagine that the fingering was being changed. Play each fingering several times to find exactly the right tuning. Repeat each bar on the other strings in different octaves.

## Exercise 1.



### Example



## Exercise 2.



### Example

