LESSON 12·8 | Solving Ratio Problems

Instrument Players in the United States	
Piano/Keyboard	21 million
Guitar	19 million
Organ	6 million
Flute	4 million
Clarinet	4 million
Drums	3 million
Trumpet	3 million
Violin	2 million
Harmonica	1.7 million
Saxophone	1 million

Source: *America by the Numbers*

1. a. What is the ratio of flute players to harmonica players? _____

   b. What is the ratio of drum players to piano players? _____

   c. Record the ratio of violin and saxophone players to trumpet players. _____

2. Which two pairs of instrument players have a 1-to-1 ratio? _____

   _____

3. In a fifth-grade band, the ratio of saxophonists to clarinetists is
   2:3. If there are 10 saxophonists, how many clarinetists are there? _____

4. The school orchestra is performing tonight. There are 24 orchestra members. There are
   6 violas. The ratio of violins to violas is 2:1. The ratio of cellos to basses is 2:1. There are
   no other instruments. How many chairs are needed in each section?

   a. violins _____   b. violas _____

   c. cellos _____   d. basses _____