Add Fractions

Solve.

1. On a greatest hits CD, \( \frac{3}{16} \) of the songs are from the 1950s and \( \frac{10}{16} \) of the songs are from the 1960s. What fraction of the songs are from the 1950s and 1960s combined?

2. On a different CD, \( \frac{3}{8} \) of the songs are rock songs, and \( \frac{2}{8} \) of the songs are ballads. What fraction of the CD’s songs are rock songs and ballads combined?

3. Brenda spent \( \frac{3}{4} \) of an hour alphabetizing her CD’s and another \( 3 \frac{3}{4} \) hours organizing the names of the CD’s in a database. How many hours did Brenda spend organizing her CDs?

4. In a rock band, \( \frac{5}{10} \) of the band members play guitar and \( \frac{2}{10} \) play keyboards. Joe wrote that \( \frac{7}{20} \) of the band members play guitar or keyboards. Explain what Joe’s mistake was. What fraction of the band members play guitar or keyboards?

5. Randall grew \( 2 \frac{3}{4} \) inches last year and \( 1 \frac{3}{4} \) inches the year before. Sarah grew \( 2 \frac{1}{16} \) inches last year and \( 2 \frac{5}{16} \) inches the year before. Who grew more during the last two years? Explain your reasoning.

6. There are 80 milk cartons in a refrigerator. Ms. Washington’s class takes \( \frac{1}{4} \) of them and then Mr. Jefferson’s class takes \( \frac{1}{4} \) of the ones that are left. What fraction of the milk cartons were taken?