Add With Like Denominators

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 CDs and another \( 3\frac{3}{4} \) hours organizing the names of the CDs in a database. How many hours did Brenda spend on her CDs? Write your answer in simplest form.

4. Is \( \frac{3}{4} + \frac{3}{4} \) the same as \( \frac{6}{8} + \frac{6}{8} \)? Explain your answer.

5. 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?