

Add With Like Denominators

Show Your Work

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?
