Subtracting Mixed Numbers

For 1 through 10, find each difference. Simplify, if possible.

1. \(10\frac{3}{4} - 7\frac{1}{4}\)
2. \(7\frac{3}{7} - 2\frac{8}{21}\)
3. \(3 - 2\frac{2}{3}\)
4. \(17\frac{7}{8} - 12\frac{3}{12}\)
5. \(9\frac{5}{9} - 6\frac{5}{6}\)
6. \(4\frac{3}{4} - 2\frac{2}{3}\)
7. \(6\frac{1}{4} - 3\frac{1}{3}\)
8. \(5\frac{1}{5} - 3\frac{7}{8}\)
9. \(8\frac{2}{7} - 7\frac{1}{3}\)
10. \(2\frac{9}{10} - 2\frac{1}{3}\)

The table shows the length and width of several kinds of bird eggs.

11. How much longer is the Canada goose egg than the raven egg?

12. How much wider is the turtledove egg than the robin egg?

13. Which is the difference of \(21\frac{15}{16} - 18\frac{3}{4}\)?
   A \(2\frac{7}{16}\)  B \(2\frac{9}{16}\)  C \(3\frac{3}{16}\)  D \(3\frac{9}{16}\)

14. Explain why it is necessary to rename \(4\frac{1}{4}\) if you subtract \(\frac{3}{4}\) from it.