

Assignment #4: Problems 2-18, evens. Also do “Problem Solving,” #20. (19 is E.C.)

Subtract Mixed Numbers

Name _____

Date _____

Subtract: $8\frac{7}{10} - 3\frac{3}{10}$

- Subtract the fractions.
- Subtract the whole numbers.
- Simplify.

$$\begin{array}{r} 8\frac{7}{10} \\ - 3\frac{3}{10} \\ \hline 5\frac{4}{10} = 5\frac{2}{5} \end{array}$$

Subtract: $8\frac{1}{10} - 2\frac{4}{5}$

LCD: 10

- Rename the subtrahend. $2\frac{4}{5} = 2\frac{8}{10}$
- Rename the minuend. $8\frac{1}{10} = 7\frac{11}{10}$
- Subtract. $7\frac{11}{10} - 2\frac{8}{10} = 5\frac{3}{10}$

Subtract. Be sure to find LCD's when you need to. (*Look at the webpage for help.*)

1.
$$\begin{array}{r} 6\frac{3}{4} \\ - 3\frac{1}{4} \\ \hline \end{array}$$

2.
$$\begin{array}{r} 5\frac{11}{15} \\ - 4\frac{8}{15} \\ \hline \end{array}$$

3.
$$\begin{array}{r} 10\frac{7}{8} \\ - 5\frac{2}{3} \\ \hline \end{array}$$

4.
$$\begin{array}{r} 8\frac{1}{6} \\ - 4\frac{5}{12} \\ \hline \end{array}$$

5.
$$\begin{array}{r} 14\frac{1}{2} \\ - 9\frac{5}{8} \\ \hline \end{array}$$

6.
$$\begin{array}{r} 20\frac{3}{8} \\ - 17\frac{1}{2} \\ \hline \end{array}$$

7.
$$\begin{array}{r} 19 \\ - 12\frac{2}{5} \\ \hline \end{array}$$

8.
$$\begin{array}{r} 15\frac{4}{9} \\ - 12 \\ \hline \end{array}$$

9. $6 - 2\frac{7}{8} =$ _____

10. $12\frac{2}{3} - 9 =$ _____

11. $12 - 10\frac{1}{9} =$ _____

12. $8\frac{1}{5} - \frac{2}{3} =$ _____

13. $5\frac{2}{9} - 4\frac{1}{5} =$ _____

14. $10\frac{1}{2} - 6\frac{1}{3} =$ _____

15. $18\frac{1}{3} - 9\frac{4}{5} =$ _____

16. $7 - 2\frac{7}{9} =$ _____

17. $5\frac{1}{4} - 2\frac{1}{2} + 1\frac{5}{6} =$ _____

18. $9\frac{3}{8} - 3\frac{1}{12} - 6\frac{1}{4} =$ _____

Problem Solving

19. Larry lives 3 mi from the library. Jalen lives $1\frac{5}{8}$ mi from the library. How much farther from the library does Larry live than Jalen? _____

20. Jane baked $8\frac{1}{4}$ dozen cupcakes. She sold all but $\frac{5}{6}$ dozen. How many dozen cupcakes did she sell? _____