Adding and subtracting mixed numbers with like denominators

Add or take away the fractions, then the whole numbers. Carry a whole, or take one, when you need to.

Name _____ Date _____

1. $3\frac{6}{8} - 2\frac{7}{8} =$
2. $6\frac{1}{8} - 1\frac{7}{8} =$
3. $1\frac{1}{2} + 4\frac{1}{2} =$
4. $3\frac{2}{4} + 4\frac{3}{4} =$
5. $4\frac{7}{8} - 2\frac{5}{8} =$
6. $1\frac{8}{12} + 3\frac{3}{12} =$
7. $3\frac{3}{4} + 2\frac{2}{4} =$
8. $2\frac{1}{6} - 1\frac{2}{6} =$
9. $5\frac{1}{8} + 2\frac{2}{8} =$
10. $6\frac{6}{8} - 2\frac{3}{8} =$
11. $2\frac{2}{8} + 4\frac{2}{8} =$
12. $7\frac{1}{5} - 6\frac{4}{5} =$
13. $6\frac{1}{3} - 5\frac{2}{3} =$
14. $1\frac{4}{6} + 2\frac{3}{6} =$
15. $6\frac{8}{10} - 5\frac{6}{10} =$
16. $3\frac{1}{2} + 5\frac{1}{2} =$
17. $2\frac{5}{6} - 1\frac{4}{6} =$
18. $2\frac{1}{4} + 4\frac{1}{4} =$
19. $5\frac{3}{6} + 1\frac{5}{6} =$
20. $7\frac{2}{10} - 2\frac{6}{10} =$

Adding and subtracting mixed numbers with like denominators: answer key

Each answer in colour, with the working before it.

1. $3\frac{6}{8} - 2\frac{7}{8} = 2\frac{14}{8} - 2\frac{7}{8} = \frac{7}{8}$
2. $6\frac{1}{8} - 1\frac{7}{8} = 5\frac{9}{8} - 1\frac{7}{8} = 4\frac{2}{8} = 4\frac{1}{4}$
3. $1\frac{1}{2} + 4\frac{1}{2} = 5\frac{2}{2} = 6$
4. $3\frac{2}{4} + 4\frac{3}{4} = 7\frac{5}{4} = 8\frac{1}{4}$
5. $4\frac{7}{8} - 2\frac{5}{8} = 2\frac{2}{8} = 2\frac{1}{4}$
6. $1\frac{8}{12} + 3\frac{3}{12} = 4\frac{11}{12}$
7. $3\frac{3}{4} + 2\frac{2}{4} = 5\frac{5}{4} = 6\frac{1}{4}$
8. $2\frac{1}{6} - 1\frac{2}{6} = 1\frac{7}{6} - 1\frac{2}{6} = \frac{5}{6}$
9. $5\frac{1}{8} + 2\frac{2}{8} = 7\frac{3}{8}$
10. $6\frac{6}{8} - 2\frac{3}{8} = 4\frac{3}{8}$
11. $2\frac{2}{8} + 4\frac{2}{8} = 6\frac{4}{8} = 6\frac{1}{2}$
12. $7\frac{1}{5} - 6\frac{4}{5} = 6\frac{6}{5} - 6\frac{4}{5} = \frac{2}{5}$
13. $6\frac{1}{3} - 5\frac{2}{3} = 5\frac{4}{3} - 5\frac{2}{3} = \frac{2}{3}$
14. $1\frac{4}{6} + 2\frac{3}{6} = 3\frac{7}{6} = 4\frac{1}{6}$
15. $6\frac{8}{10} - 5\frac{6}{10} = 1\frac{2}{10} = 1\frac{1}{5}$
16. $3\frac{1}{2} + 5\frac{1}{2} = 8\frac{2}{2} = 9$
17. $2\frac{5}{6} - 1\frac{4}{6} = 1\frac{1}{6}$
18. $2\frac{1}{4} + 4\frac{1}{4} = 6\frac{2}{4} = 6\frac{1}{2}$
19. $5\frac{3}{6} + 1\frac{5}{6} = 6\frac{8}{6} = 7\frac{1}{3}$
20. $7\frac{2}{10} - 2\frac{6}{10} = 6\frac{12}{10} - 2\frac{6}{10} = 4\frac{6}{10} = 4\frac{3}{5}$