

Add Mixed Numbers

Name _____

Date _____

Add: $2\frac{4}{5} + 3\frac{2}{5}$

- Add the fractions.
- Add the whole numbers.
- Simplify.

$$\begin{array}{r} 2\frac{4}{5} \\ + 3\frac{2}{5} \\ \hline 5\frac{6}{5} = 6\frac{1}{5} \end{array}$$

Add: $2\frac{4}{10} + 3\frac{2}{5}$

- Rename each fraction.
- Add.
- Simplify.

LCD: 10

$$\begin{array}{l} 2\frac{4}{10} + 3\frac{4}{10} \\ 2\frac{4}{10} + 3\frac{4}{10} = 5\frac{8}{10} \\ 5\frac{8}{10} = 5\frac{4}{5} \end{array}$$

Complete the addition.

$$\begin{array}{r} 1. \quad 9\frac{1}{4} = 9\frac{\quad}{20} \\ + 1\frac{3}{5} = 1\frac{\quad}{20} \\ \hline 10\frac{\quad}{20} \end{array}$$

$$\begin{array}{r} 2. \quad 12\frac{4}{7} \\ + 3\frac{3}{7} \\ \hline 15\frac{\quad}{7} = \underline{\quad} \end{array}$$

$$\begin{array}{r} 3. \quad 10\frac{5}{18} = 10\frac{\quad}{18} \\ + 11\frac{1}{6} = 11\frac{\quad}{18} \\ \hline 21\frac{\quad}{18} = \underline{\quad} \end{array}$$

Add the mixed numbers below. If denominators are different, find your LCD first.

$$\begin{array}{r} 4. \quad 4\frac{1}{4} \\ + 5\frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 1\frac{3}{4} \\ + 3\frac{5}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 4\frac{5}{6} \\ + 6\frac{7}{18} \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 7\frac{1}{2} \\ + 9\frac{1}{4} \\ \hline \end{array}$$

$$8. \quad 2\frac{3}{7} + 4 = \underline{\quad}$$

$$9. \quad 8\frac{3}{5} + 7\frac{2}{5} = \underline{\quad}$$

$$10. \quad 5\frac{1}{2} + 4\frac{3}{10} = \underline{\quad}$$

$$11. \quad 15\frac{1}{3} + 10\frac{5}{6} = \underline{\quad}$$

$$12. \quad 12\frac{9}{10} + 1\frac{7}{15} = \underline{\quad}$$

$$13. \quad 1\frac{3}{5} + 3\frac{2}{3} = \underline{\quad}$$

$$14. \quad 3\frac{1}{8} + 6\frac{3}{8} + 2\frac{5}{8} = \underline{\quad}$$

$$15. \quad 8\frac{1}{2} + 9\frac{3}{4} + 2\frac{1}{8} = \underline{\quad}$$

$$16. \quad 5\frac{1}{3} + 7\frac{2}{5} + 3\frac{2}{3} = \underline{\quad}$$

$$17. \quad 6\frac{1}{5} + 1\frac{4}{5} + 5\frac{3}{10} = \underline{\quad}$$

$$18. \quad 2\frac{1}{6} + 1\frac{3}{8} + 8\frac{1}{4} = \underline{\quad}$$

$$19. \quad 1\frac{3}{4} + 2\frac{2}{5} + 3\frac{1}{10} = \underline{\quad}$$

Problem Solving Express your answer in simplest form.

20. On a weekend hike, a group walked $5\frac{1}{10}$ miles on Saturday and $4\frac{5}{10}$ miles on Sunday. How many miles did they hike both days? _____

21. Malik rode his bicycle $4\frac{1}{2}$ miles in the morning. In the afternoon he rode $3\frac{3}{4}$ miles. How many miles did he ride in all? _____