Add Fractions With Like Denominators (A)

Add the numerators. Keep the same denominator.

After you add the fractions, you must reduce the answer.

Divide the numerator and denominator by the greatest common factor.

$$\frac{2}{12} + \frac{4}{12} = \frac{6}{12} \frac{\div 6}{\div 6} = \frac{1}{2}$$

$$\frac{1}{6} + \frac{2}{6} =$$

$$\frac{1}{4} + \frac{1}{4} =$$

$$\frac{2}{6} + \frac{1}{6} =$$

$$\frac{1}{8} + \frac{5}{8} =$$

$$\frac{1}{8} + \frac{5}{8} =$$

$$\frac{3}{10} + \frac{2}{10} =$$

$$\frac{2}{9} + \frac{1}{9} =$$

$$\frac{1}{6} + \frac{3}{6} =$$

$$\frac{5}{8} + \frac{1}{8} =$$

$$\frac{2}{6} + \frac{2}{6} =$$

$$\frac{8}{12} + \frac{1}{12} =$$

$$\frac{3}{10} + \frac{1}{10} =$$

$$\frac{3}{6} + \frac{1}{6} =$$

$$\frac{5}{12} + \frac{4}{12} =$$

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Add Fractions With Like Denominators (A) Answers

Note to teacher: All of the sums result in a fraction that requires reduction. None are improper fractions. Try using fraction strips or fraction circles as a manipulative.

Students should know how to reduce fractions before completing this worksheet.

$$\frac{2}{12} + \frac{4}{12} = \frac{6}{12} \begin{smallmatrix} \div 6 \\ = \\ \div 6 \end{smallmatrix} \frac{1}{2}$$

$$\frac{1}{6} + \frac{2}{6} = \frac{3}{6} \begin{smallmatrix} \div 3 \\ = \\ \div 3 \end{smallmatrix} \frac{1}{2} \qquad\qquad \frac{1}{4} + \frac{1}{4} = \frac{2}{4} \begin{smallmatrix} \div 2 \\ = \\ \div 2 \end{smallmatrix} \frac{1}{2}$$

$$\frac{2}{6} + \frac{1}{6} = \frac{3}{6} \begin{smallmatrix} \div 3 \\ = \\ \div 3 \end{smallmatrix} \frac{1}{2} \qquad\qquad \frac{1}{8} + \frac{5}{8} = \frac{6}{8} \begin{smallmatrix} \div 2 \\ = \\ \div 2 \end{smallmatrix} \frac{3}{4}$$

$$\frac{1}{8} + \frac{5}{8} = \frac{6}{8} \begin{smallmatrix} \div 2 \\ = \\ \div 2 \end{smallmatrix} \frac{3}{4} \qquad\qquad \frac{3}{10} + \frac{2}{10} = \frac{5}{10} \begin{smallmatrix} \div 5 \\ = \\ \div 5 \end{smallmatrix} \frac{1}{2}$$

$$\frac{2}{9} + \frac{1}{9} = \frac{3}{9} \begin{smallmatrix} \div 3 \\ = \\ \div 3 \end{smallmatrix} \frac{1}{3} \qquad\qquad \frac{1}{6} + \frac{3}{6} = \frac{4}{6} \begin{smallmatrix} \div 2 \\ = \\ \div 2 \end{smallmatrix} \frac{2}{3}$$

$$\frac{5}{8} + \frac{1}{8} = \frac{6}{8} \begin{smallmatrix} \div 2 \\ = \\ \div 2 \end{smallmatrix} \frac{3}{4} \qquad\qquad \frac{2}{6} + \frac{2}{6} = \frac{4}{6} \begin{smallmatrix} \div 2 \\ = \\ \div 2 \end{smallmatrix} \frac{2}{3}$$

$$\frac{8}{12} + \frac{1}{12} = \frac{9}{12} \begin{smallmatrix} \div 3 \\ = \\ \div 3 \end{smallmatrix} \frac{3}{4} \qquad\qquad \frac{3}{10} + \frac{1}{10} = \frac{4}{10} \begin{smallmatrix} \div 2 \\ = \\ \div 2 \end{smallmatrix} \frac{2}{5}$$

$$\frac{3}{6} + \frac{1}{6} = \frac{4}{6} \begin{smallmatrix} \div 2 \\ = \\ \div 2 \end{smallmatrix} \frac{2}{3} \qquad\qquad \frac{5}{12} + \frac{4}{12} = \frac{9}{12} \begin{smallmatrix} \div 3 \\ = \\ \div 3 \end{smallmatrix} \frac{3}{4}$$

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