

Add Mixed Numbers With Like Denominators (A)

Add the whole numbers.

Add the fractions.

Reduce the fraction. The whole number stays the same.

$$9 \frac{3}{10} + 7 \frac{1}{10} = 16 \frac{4}{10} \stackrel{\div 2}{=} 16 \frac{2}{5}$$

$$9 \frac{4}{12} + 7 \frac{4}{12} =$$

$$3 \frac{8}{12} + 3 \frac{2}{12} =$$

$$5 \frac{2}{9} + 3 \frac{1}{9} =$$

$$9 \frac{7}{10} + 4 \frac{1}{10} =$$

$$4 \frac{2}{9} + 1 \frac{1}{9} =$$

$$3 \frac{2}{9} + 3 \frac{1}{9} =$$

$$2 \frac{3}{10} + 5 \frac{1}{10} =$$

$$9 \frac{3}{8} + 2 \frac{3}{8} =$$

$$4 \frac{3}{12} + 5 \frac{7}{12} =$$

$$7 \frac{4}{12} + 7 \frac{6}{12} =$$

$$5 \frac{1}{8} + 9 \frac{5}{8} =$$

$$5 \frac{3}{12} + 5 \frac{6}{12} =$$

$$8 \frac{4}{12} + 1 \frac{5}{12} =$$

$$9 \frac{3}{9} + 8 \frac{3}{9} =$$

Add Mixed Numbers With Like Denominators (A) Answers

Note to teacher: All of the sums require reducing. None require renaming.

$$9 \frac{4}{12} + 7 \frac{4}{12} = 16 \frac{8 \div 4}{12 \div 4} = 16 \frac{2}{3} \qquad 3 \frac{8}{12} + 3 \frac{2}{12} = 6 \frac{10 \div 2}{12 \div 2} = 6 \frac{5}{6}$$

$$5 \frac{2}{9} + 3 \frac{1}{9} = 8 \frac{3 \div 3}{9 \div 3} = 8 \frac{1}{3} \qquad 9 \frac{7}{10} + 4 \frac{1}{10} = 13 \frac{8 \div 2}{10 \div 2} = 13 \frac{4}{5}$$

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

$$2 \frac{3}{10} + 5 \frac{1}{10} = 7 \frac{4 \div 2}{10 \div 2} = 7 \frac{2}{5} \qquad 9 \frac{3}{8} + 2 \frac{3}{8} = 11 \frac{6 \div 2}{8 \div 2} = 11 \frac{3}{4}$$

$$4 \frac{3}{12} + 5 \frac{7}{12} = 9 \frac{10 \div 2}{12 \div 2} = 9 \frac{5}{6} \qquad 7 \frac{4}{12} + 7 \frac{6}{12} = 14 \frac{10 \div 2}{12 \div 2} = 14 \frac{5}{6}$$

$$5 \frac{1}{8} + 9 \frac{5}{8} = 14 \frac{6 \div 2}{8 \div 2} = 14 \frac{3}{4} \qquad 5 \frac{3}{12} + 5 \frac{6}{12} = 10 \frac{9 \div 3}{12 \div 3} = 10 \frac{3}{4}$$

$$8 \frac{4}{12} + 1 \frac{5}{12} = 9 \frac{9 \div 3}{12 \div 3} = 9 \frac{3}{4} \qquad 9 \frac{3}{9} + 8 \frac{3}{9} = 17 \frac{6 \div 3}{9 \div 3} = 17 \frac{2}{3}$$

Add Mixed Numbers With Like Denominators (B)

Add the whole numbers.

Add the fractions.

Reduce the fraction. The whole number stays the same.

$$2 \frac{5}{12} + 9 \frac{5}{12} = 11 \frac{10}{12} \stackrel{\div 2}{=} 11 \frac{5}{6}$$

$$6 \frac{1}{10} + 2 \frac{5}{10} =$$

$$8 \frac{3}{12} + 3 \frac{5}{12} =$$

$$7 \frac{2}{8} + 7 \frac{2}{8} =$$

$$3 \frac{4}{12} + 4 \frac{6}{12} =$$

$$7 \frac{1}{8} + 5 \frac{3}{8} =$$

$$9 \frac{1}{12} + 8 \frac{5}{12} =$$

$$1 \frac{1}{4} + 2 \frac{1}{4} =$$

$$9 \frac{7}{12} + 9 \frac{1}{12} =$$

$$2 \frac{7}{12} + 3 \frac{1}{12} =$$

$$9 \frac{5}{9} + 2 \frac{1}{9} =$$

$$6 \frac{6}{12} + 5 \frac{3}{12} =$$

$$7 \frac{1}{6} + 8 \frac{2}{6} =$$

$$9 \frac{6}{12} + 2 \frac{4}{12} =$$

$$7 \frac{2}{12} + 1 \frac{4}{12} =$$

Add Mixed Numbers With Like Denominators (B) Answers

Note to teacher: All of the sums require reducing. None require renaming.

$$6 \frac{1}{10} + 2 \frac{5}{10} = 8 \frac{6 \div 2}{10 \div 2} = 8 \frac{3}{5} \qquad 8 \frac{3}{12} + 3 \frac{5}{12} = 11 \frac{8 \div 4}{12 \div 4} = 11 \frac{2}{3}$$

$$7 \frac{2}{8} + 7 \frac{2}{8} = 14 \frac{4 \div 4}{8 \div 4} = 14 \frac{1}{2} \qquad 3 \frac{4}{12} + 4 \frac{6}{12} = 7 \frac{10 \div 2}{12 \div 2} = 7 \frac{5}{6}$$

$$7 \frac{1}{8} + 5 \frac{3}{8} = 12 \frac{4 \div 4}{8 \div 4} = 12 \frac{1}{2} \qquad 9 \frac{1}{12} + 8 \frac{5}{12} = 17 \frac{6 \div 6}{12 \div 6} = 17 \frac{1}{2}$$

$$1 \frac{1}{4} + 2 \frac{1}{4} = 3 \frac{2 \div 2}{4 \div 2} = 3 \frac{1}{2} \qquad 9 \frac{7}{12} + 9 \frac{1}{12} = 18 \frac{8 \div 4}{12 \div 4} = 18 \frac{2}{3}$$

$$2 \frac{7}{12} + 3 \frac{1}{12} = 5 \frac{8 \div 4}{12 \div 4} = 5 \frac{2}{3} \qquad 9 \frac{5}{9} + 2 \frac{1}{9} = 11 \frac{6 \div 3}{9 \div 3} = 11 \frac{2}{3}$$

$$6 \frac{6}{12} + 5 \frac{3}{12} = 11 \frac{9 \div 3}{12 \div 3} = 11 \frac{3}{4} \qquad 7 \frac{1}{6} + 8 \frac{2}{6} = 15 \frac{3 \div 3}{6 \div 3} = 15 \frac{1}{2}$$

$$9 \frac{6}{12} + 2 \frac{4}{12} = 11 \frac{10 \div 2}{12 \div 2} = 11 \frac{5}{6} \qquad 7 \frac{2}{12} + 1 \frac{4}{12} = 8 \frac{6 \div 6}{12 \div 6} = 8 \frac{1}{2}$$

Add Mixed Numbers With Like Denominators (C)

Add the whole numbers.

Add the fractions.

Reduce the fraction. The whole number stays the same.

$$6 \frac{3}{6} + 2 \frac{1}{6} = 8 \frac{4}{6} \div 2 = 8 \frac{2}{3}$$

$$6 \frac{1}{12} + 3 \frac{1}{12} =$$

$$9 \frac{1}{6} + 8 \frac{1}{6} =$$

$$3 \frac{5}{8} + 4 \frac{1}{8} =$$

$$1 \frac{3}{8} + 4 \frac{3}{8} =$$

$$3 \frac{4}{8} + 3 \frac{2}{8} =$$

$$6 \frac{9}{12} + 4 \frac{1}{12} =$$

$$2 \frac{5}{12} + 2 \frac{3}{12} =$$

$$4 \frac{1}{10} + 7 \frac{5}{10} =$$

$$1 \frac{6}{12} + 8 \frac{4}{12} =$$

$$2 \frac{1}{4} + 5 \frac{1}{4} =$$

$$1 \frac{3}{8} + 6 \frac{3}{8} =$$

$$5 \frac{4}{10} + 5 \frac{4}{10} =$$

$$3 \frac{4}{12} + 4 \frac{4}{12} =$$

$$5 \frac{1}{10} + 6 \frac{4}{10} =$$

Add Mixed Numbers With Like Denominators (C) Answers

Note to teacher: All of the sums require reducing. None require renaming.

$$6 \frac{1}{12} + 3 \frac{1}{12} = 9 \frac{2}{12} \stackrel{\div 2}{=} 9 \frac{1}{6} \qquad 9 \frac{1}{6} + 8 \frac{1}{6} = 17 \frac{2}{6} \stackrel{\div 2}{=} 17 \frac{1}{3}$$

$$3 \frac{5}{8} + 4 \frac{1}{8} = 7 \frac{6}{8} \stackrel{\div 2}{=} 7 \frac{3}{4} \qquad 1 \frac{3}{8} + 4 \frac{3}{8} = 5 \frac{6}{8} \stackrel{\div 2}{=} 5 \frac{3}{4}$$

$$3 \frac{4}{8} + 3 \frac{2}{8} = 6 \frac{6}{8} \stackrel{\div 2}{=} 6 \frac{3}{4} \qquad 6 \frac{9}{12} + 4 \frac{1}{12} = 10 \frac{10}{12} \stackrel{\div 2}{=} 10 \frac{5}{6}$$

$$2 \frac{5}{12} + 2 \frac{3}{12} = 4 \frac{8}{12} \stackrel{\div 4}{=} 4 \frac{2}{3} \qquad 4 \frac{1}{10} + 7 \frac{5}{10} = 11 \frac{6}{10} \stackrel{\div 2}{=} 11 \frac{3}{5}$$

$$1 \frac{6}{12} + 8 \frac{4}{12} = 9 \frac{10}{12} \stackrel{\div 2}{=} 9 \frac{5}{6} \qquad 2 \frac{1}{4} + 5 \frac{1}{4} = 7 \frac{2}{4} \stackrel{\div 2}{=} 7 \frac{1}{2}$$

$$1 \frac{3}{8} + 6 \frac{3}{8} = 7 \frac{6}{8} \stackrel{\div 2}{=} 7 \frac{3}{4} \qquad 5 \frac{4}{10} + 5 \frac{4}{10} = 10 \frac{8}{10} \stackrel{\div 2}{=} 10 \frac{4}{5}$$

$$3 \frac{4}{12} + 4 \frac{4}{12} = 7 \frac{8}{12} \stackrel{\div 4}{=} 7 \frac{2}{3} \qquad 5 \frac{1}{10} + 6 \frac{4}{10} = 11 \frac{5}{10} \stackrel{\div 5}{=} 11 \frac{1}{2}$$

Add Mixed Numbers With Like Denominators (D)

Add the whole numbers.

Add the fractions.

Reduce the fraction. The whole number stays the same.

$$8 \frac{2}{12} + 6 \frac{6}{12} = 14 \frac{8}{12} \stackrel{\div 4}{=} 14 \frac{2}{3}$$

$$3 \frac{1}{6} + 4 \frac{2}{6} =$$

$$4 \frac{6}{10} + 6 \frac{2}{10} =$$

$$3 \frac{1}{12} + 5 \frac{8}{12} =$$

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

$$6 \frac{7}{12} + 7 \frac{3}{12} =$$

$$4 \frac{3}{6} + 7 \frac{1}{6} =$$

$$3 \frac{8}{12} + 9 \frac{2}{12} =$$

$$8 \frac{3}{12} + 8 \frac{6}{12} =$$

$$2 \frac{1}{12} + 4 \frac{8}{12} =$$

$$3 \frac{5}{9} + 4 \frac{1}{9} =$$

$$4 \frac{2}{8} + 4 \frac{4}{8} =$$

$$2 \frac{3}{9} + 8 \frac{3}{9} =$$

$$8 \frac{1}{12} + 9 \frac{7}{12} =$$

$$3 \frac{2}{12} + 3 \frac{7}{12} =$$

Add Mixed Numbers With Like Denominators (D) Answers

Note to teacher: All of the sums require reducing. None require renaming.

$$3 \frac{1}{6} + 4 \frac{2}{6} = 7 \frac{3 \div 3}{6 \div 3} = 7 \frac{1}{2} \qquad 4 \frac{6}{10} + 6 \frac{2}{10} = 10 \frac{8 \div 2}{10 \div 2} = 10 \frac{4}{5}$$

$$3 \frac{1}{12} + 5 \frac{8}{12} = 8 \frac{9 \div 3}{12 \div 3} = 8 \frac{3}{4} \qquad 1 \frac{6}{12} + 6 \frac{2}{12} = 7 \frac{8 \div 4}{12 \div 4} = 7 \frac{2}{3}$$

$$6 \frac{7}{12} + 7 \frac{3}{12} = 13 \frac{10 \div 2}{12 \div 2} = 13 \frac{5}{6} \qquad 4 \frac{3}{6} + 7 \frac{1}{6} = 11 \frac{4 \div 2}{6 \div 2} = 11 \frac{2}{3}$$

$$3 \frac{8}{12} + 9 \frac{2}{12} = 12 \frac{10 \div 2}{12 \div 2} = 12 \frac{5}{6} \qquad 8 \frac{3}{12} + 8 \frac{6}{12} = 16 \frac{9 \div 3}{12 \div 3} = 16 \frac{3}{4}$$

$$2 \frac{1}{12} + 4 \frac{8}{12} = 6 \frac{9 \div 3}{12 \div 3} = 6 \frac{3}{4} \qquad 3 \frac{5}{9} + 4 \frac{1}{9} = 7 \frac{6 \div 3}{9 \div 3} = 7 \frac{2}{3}$$

$$4 \frac{2}{8} + 4 \frac{4}{8} = 8 \frac{6 \div 2}{8 \div 2} = 8 \frac{3}{4} \qquad 2 \frac{3}{9} + 8 \frac{3}{9} = 10 \frac{6 \div 3}{9 \div 3} = 10 \frac{2}{3}$$

$$8 \frac{1}{12} + 9 \frac{7}{12} = 17 \frac{8 \div 4}{12 \div 4} = 17 \frac{2}{3} \qquad 3 \frac{2}{12} + 3 \frac{7}{12} = 6 \frac{9 \div 3}{12 \div 3} = 6 \frac{3}{4}$$

Add Mixed Numbers With Like Denominators (E)

Add the whole numbers.

Add the fractions.

Reduce the fraction. The whole number stays the same.

$$4 \frac{2}{9} + 1 \frac{1}{9} = 5 \frac{3}{9} \stackrel{\div 3}{=} \stackrel{\div 3}{=} 5 \frac{1}{3}$$

$$1 \frac{4}{8} + 6 \frac{2}{8} =$$

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

$$7 \frac{5}{9} + 7 \frac{1}{9} =$$

$$5 \frac{4}{8} + 6 \frac{2}{8} =$$

$$2 \frac{3}{12} + 7 \frac{7}{12} =$$

$$9 \frac{8}{12} + 2 \frac{2}{12} =$$

$$8 \frac{2}{12} + 1 \frac{4}{12} =$$

$$4 \frac{2}{9} + 1 \frac{4}{9} =$$

$$8 \frac{2}{12} + 2 \frac{8}{12} =$$

$$9 \frac{2}{6} + 9 \frac{2}{6} =$$

$$1 \frac{1}{8} + 2 \frac{1}{8} =$$

$$1 \frac{2}{12} + 1 \frac{7}{12} =$$

$$5 \frac{7}{10} + 7 \frac{1}{10} =$$

$$4 \frac{3}{12} + 6 \frac{3}{12} =$$

Add Mixed Numbers With Like Denominators (E) Answers

Note to teacher: All of the sums require reducing. None require renaming.

$$1 \frac{4}{8} + 6 \frac{2}{8} = 7 \frac{6 \div 2}{8 \div 2} = 7 \frac{3}{4}$$

$$2 \frac{1}{6} + 6 \frac{2}{6} = 8 \frac{3 \div 3}{6 \div 3} = 8 \frac{1}{2}$$

$$7 \frac{5}{9} + 7 \frac{1}{9} = 14 \frac{6 \div 3}{9 \div 3} = 14 \frac{2}{3}$$

$$5 \frac{4}{8} + 6 \frac{2}{8} = 11 \frac{6 \div 2}{8 \div 2} = 11 \frac{3}{4}$$

$$2 \frac{3}{12} + 7 \frac{7}{12} = 9 \frac{10 \div 2}{12 \div 2} = 9 \frac{5}{6}$$

$$9 \frac{8}{12} + 2 \frac{2}{12} = 11 \frac{10 \div 2}{12 \div 2} = 11 \frac{5}{6}$$

$$8 \frac{2}{12} + 1 \frac{4}{12} = 9 \frac{6 \div 6}{12 \div 6} = 9 \frac{1}{2}$$

$$4 \frac{2}{9} + 1 \frac{4}{9} = 5 \frac{6 \div 3}{9 \div 3} = 5 \frac{2}{3}$$

$$8 \frac{2}{12} + 2 \frac{8}{12} = 10 \frac{10 \div 2}{12 \div 2} = 10 \frac{5}{6}$$

$$9 \frac{2}{6} + 9 \frac{2}{6} = 18 \frac{4 \div 2}{6 \div 2} = 18 \frac{2}{3}$$

$$1 \frac{1}{8} + 2 \frac{1}{8} = 3 \frac{2 \div 2}{8 \div 2} = 3 \frac{1}{4}$$

$$1 \frac{2}{12} + 1 \frac{7}{12} = 2 \frac{9 \div 3}{12 \div 3} = 2 \frac{3}{4}$$

$$5 \frac{7}{10} + 7 \frac{1}{10} = 12 \frac{8 \div 2}{10 \div 2} = 12 \frac{4}{5}$$

$$4 \frac{3}{12} + 6 \frac{3}{12} = 10 \frac{6 \div 6}{12 \div 6} = 10 \frac{1}{2}$$

Add Mixed Numbers With Like Denominators (F)

Add the whole numbers.

Add the fractions.

Reduce the fraction. The whole number stays the same.

$$6 \frac{1}{12} + 7 \frac{7}{12} = 13 \frac{8}{12} \stackrel{\div 4}{=} 13 \frac{2}{3}$$

$$2 \frac{1}{10} + 3 \frac{7}{10} =$$

$$3 \frac{2}{6} + 2 \frac{2}{6} =$$

$$4 \frac{4}{8} + 5 \frac{2}{8} =$$

$$6 \frac{1}{10} + 3 \frac{3}{10} =$$

$$7 \frac{5}{10} + 7 \frac{3}{10} =$$

$$5 \frac{6}{10} + 6 \frac{2}{10} =$$

$$7 \frac{1}{8} + 9 \frac{5}{8} =$$

$$9 \frac{8}{12} + 3 \frac{2}{12} =$$

$$5 \frac{1}{12} + 1 \frac{1}{12} =$$

$$3 \frac{3}{10} + 7 \frac{5}{10} =$$

$$9 \frac{1}{8} + 4 \frac{5}{8} =$$

$$5 \frac{5}{12} + 9 \frac{3}{12} =$$

$$2 \frac{3}{12} + 7 \frac{7}{12} =$$

$$5 \frac{3}{10} + 3 \frac{5}{10} =$$

Add Mixed Numbers With Like Denominators (F) Answers

Note to teacher: All of the sums require reducing. None require renaming.

$$2 \frac{1}{10} + 3 \frac{7}{10} = 5 \frac{8}{10} \stackrel{\div 2}{=} 5 \frac{4}{5} \qquad 3 \frac{2}{6} + 2 \frac{2}{6} = 5 \frac{4}{6} \stackrel{\div 2}{=} 5 \frac{2}{3}$$

$$4 \frac{4}{8} + 5 \frac{2}{8} = 9 \frac{6}{8} \stackrel{\div 2}{=} 9 \frac{3}{4} \qquad 6 \frac{1}{10} + 3 \frac{3}{10} = 9 \frac{4}{10} \stackrel{\div 2}{=} 9 \frac{2}{5}$$

$$7 \frac{5}{10} + 7 \frac{3}{10} = 14 \frac{8}{10} \stackrel{\div 2}{=} 14 \frac{4}{5} \qquad 5 \frac{6}{10} + 6 \frac{2}{10} = 11 \frac{8}{10} \stackrel{\div 2}{=} 11 \frac{4}{5}$$

$$7 \frac{1}{8} + 9 \frac{5}{8} = 16 \frac{6}{8} \stackrel{\div 2}{=} 16 \frac{3}{4} \qquad 9 \frac{8}{12} + 3 \frac{2}{12} = 12 \frac{10}{12} \stackrel{\div 2}{=} 12 \frac{5}{6}$$

$$5 \frac{1}{12} + 1 \frac{1}{12} = 6 \frac{2}{12} \stackrel{\div 2}{=} 6 \frac{1}{6} \qquad 3 \frac{3}{10} + 7 \frac{5}{10} = 10 \frac{8}{10} \stackrel{\div 2}{=} 10 \frac{4}{5}$$

$$9 \frac{1}{8} + 4 \frac{5}{8} = 13 \frac{6}{8} \stackrel{\div 2}{=} 13 \frac{3}{4} \qquad 5 \frac{5}{12} + 9 \frac{3}{12} = 14 \frac{8}{12} \stackrel{\div 4}{=} 14 \frac{2}{3}$$

$$2 \frac{3}{12} + 7 \frac{7}{12} = 9 \frac{10}{12} \stackrel{\div 2}{=} 9 \frac{5}{6} \qquad 5 \frac{3}{10} + 3 \frac{5}{10} = 8 \frac{8}{10} \stackrel{\div 2}{=} 8 \frac{4}{5}$$

Add Mixed Numbers With Like Denominators (G)

Add the whole numbers.

Add the fractions.

Reduce the fraction. The whole number stays the same.

$$5 \frac{1}{12} + 3 \frac{3}{12} = 8 \frac{4}{12} \div 4 = 8 \frac{1}{3}$$

$$3 \frac{1}{8} + 5 \frac{5}{8} =$$

$$2 \frac{3}{10} + 4 \frac{3}{10} =$$

$$1 \frac{9}{12} + 6 \frac{1}{12} =$$

$$2 \frac{5}{9} + 7 \frac{1}{9} =$$

$$8 \frac{2}{8} + 1 \frac{2}{8} =$$

$$4 \frac{3}{9} + 2 \frac{3}{9} =$$

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

$$1 \frac{4}{8} + 9 \frac{2}{8} =$$

$$2 \frac{1}{10} + 9 \frac{3}{10} =$$

$$8 \frac{3}{6} + 8 \frac{1}{6} =$$

$$4 \frac{3}{6} + 4 \frac{1}{6} =$$

$$8 \frac{4}{12} + 1 \frac{2}{12} =$$

$$3 \frac{1}{12} + 3 \frac{3}{12} =$$

$$9 \frac{3}{6} + 3 \frac{1}{6} =$$

Add Mixed Numbers With Like Denominators (G) Answers

Note to teacher: All of the sums require reducing. None require renaming.

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

$$1 \frac{9}{12} + 6 \frac{1}{12} = 7 \frac{10 \div 2}{12 \div 2} = 7 \frac{5}{6} \qquad 2 \frac{5}{9} + 7 \frac{1}{9} = 9 \frac{6 \div 3}{9 \div 3} = 9 \frac{2}{3}$$

$$8 \frac{2}{8} + 1 \frac{2}{8} = 9 \frac{4 \div 4}{8 \div 4} = 9 \frac{1}{2} \qquad 4 \frac{3}{9} + 2 \frac{3}{9} = 6 \frac{6 \div 3}{9 \div 3} = 6 \frac{2}{3}$$

$$1 \frac{1}{6} + 6 \frac{3}{6} = 7 \frac{4 \div 2}{6 \div 2} = 7 \frac{2}{3} \qquad 1 \frac{4}{8} + 9 \frac{2}{8} = 10 \frac{6 \div 2}{8 \div 2} = 10 \frac{3}{4}$$

$$2 \frac{1}{10} + 9 \frac{3}{10} = 11 \frac{4 \div 2}{10 \div 2} = 11 \frac{2}{5} \qquad 8 \frac{3}{6} + 8 \frac{1}{6} = 16 \frac{4 \div 2}{6 \div 2} = 16 \frac{2}{3}$$

$$4 \frac{3}{6} + 4 \frac{1}{6} = 8 \frac{4 \div 2}{6 \div 2} = 8 \frac{2}{3} \qquad 8 \frac{4}{12} + 1 \frac{2}{12} = 9 \frac{6 \div 6}{12 \div 6} = 9 \frac{1}{2}$$

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

Add Mixed Numbers With Like Denominators (H)

Add the whole numbers.

Add the fractions.

Reduce the fraction. The whole number stays the same.

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

$$8 \frac{4}{9} + 1 \frac{2}{9} =$$

$$9 \frac{5}{10} + 8 \frac{1}{10} =$$

$$6 \frac{1}{12} + 5 \frac{5}{12} =$$

$$9 \frac{1}{9} + 9 \frac{5}{9} =$$

$$4 \frac{1}{8} + 9 \frac{3}{8} =$$

$$3 \frac{7}{12} + 4 \frac{2}{12} =$$

$$3 \frac{3}{12} + 9 \frac{6}{12} =$$

$$4 \frac{1}{10} + 9 \frac{7}{10} =$$

$$7 \frac{5}{8} + 5 \frac{1}{8} =$$

$$4 \frac{8}{12} + 7 \frac{2}{12} =$$

$$2 \frac{2}{8} + 3 \frac{2}{8} =$$

$$1 \frac{3}{8} + 3 \frac{3}{8} =$$

$$8 \frac{3}{9} + 1 \frac{3}{9} =$$

$$9 \frac{2}{12} + 9 \frac{4}{12} =$$

Add Mixed Numbers With Like Denominators (H) Answers

Note to teacher: All of the sums require reducing. None require renaming.

$$8 \frac{4}{9} + 1 \frac{2}{9} = 9 \frac{6 \div 3}{9 \div 3} = 9 \frac{2}{3} \qquad 9 \frac{5}{10} + 8 \frac{1}{10} = 17 \frac{6 \div 2}{10 \div 2} = 17 \frac{3}{5}$$

$$6 \frac{1}{12} + 5 \frac{5}{12} = 11 \frac{6 \div 6}{12 \div 6} = 11 \frac{1}{2} \qquad 9 \frac{1}{9} + 9 \frac{5}{9} = 18 \frac{6 \div 3}{9 \div 3} = 18 \frac{2}{3}$$

$$4 \frac{1}{8} + 9 \frac{3}{8} = 13 \frac{4 \div 4}{8 \div 4} = 13 \frac{1}{2} \qquad 3 \frac{7}{12} + 4 \frac{2}{12} = 7 \frac{9 \div 3}{12 \div 3} = 7 \frac{3}{4}$$

$$3 \frac{3}{12} + 9 \frac{6}{12} = 12 \frac{9 \div 3}{12 \div 3} = 12 \frac{3}{4} \qquad 4 \frac{1}{10} + 9 \frac{7}{10} = 13 \frac{8 \div 2}{10 \div 2} = 13 \frac{4}{5}$$

$$7 \frac{5}{8} + 5 \frac{1}{8} = 12 \frac{6 \div 2}{8 \div 2} = 12 \frac{3}{4} \qquad 4 \frac{8}{12} + 7 \frac{2}{12} = 11 \frac{10 \div 2}{12 \div 2} = 11 \frac{5}{6}$$

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

$$8 \frac{3}{9} + 1 \frac{3}{9} = 9 \frac{6 \div 3}{9 \div 3} = 9 \frac{2}{3} \qquad 9 \frac{2}{12} + 9 \frac{4}{12} = 18 \frac{6 \div 6}{12 \div 6} = 18 \frac{1}{2}$$

Add Mixed Numbers With Like Denominators (I)

Add the whole numbers.

Add the fractions.

Reduce the fraction. The whole number stays the same.

$$7 \frac{3}{12} + 5 \frac{7}{12} = 12 \frac{10}{12} \stackrel{\div 2}{=} 12 \frac{5}{6}$$

$$5 \frac{2}{9} + 3 \frac{4}{9} =$$

$$2 \frac{1}{8} + 6 \frac{3}{8} =$$

$$2 \frac{1}{12} + 5 \frac{9}{12} =$$

$$5 \frac{5}{9} + 1 \frac{1}{9} =$$

$$3 \frac{4}{10} + 1 \frac{1}{10} =$$

$$9 \frac{1}{10} + 5 \frac{3}{10} =$$

$$8 \frac{2}{12} + 2 \frac{2}{12} =$$

$$3 \frac{4}{10} + 6 \frac{2}{10} =$$

$$5 \frac{4}{8} + 5 \frac{2}{8} =$$

$$9 \frac{3}{12} + 4 \frac{7}{12} =$$

$$1 \frac{5}{12} + 1 \frac{4}{12} =$$

$$7 \frac{6}{10} + 7 \frac{2}{10} =$$

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

$$9 \frac{3}{8} + 4 \frac{3}{8} =$$

Add Mixed Numbers With Like Denominators (I) Answers

Note to teacher: All of the sums require reducing. None require renaming.

$$5 \frac{2}{9} + 3 \frac{4}{9} = 8 \frac{6 \div 3}{9 \div 3} = 8 \frac{2}{3} \qquad 2 \frac{1}{8} + 6 \frac{3}{8} = 8 \frac{4 \div 4}{8 \div 4} = 8 \frac{1}{2}$$

$$2 \frac{1}{12} + 5 \frac{9}{12} = 7 \frac{10 \div 2}{12 \div 2} = 7 \frac{5}{6} \qquad 5 \frac{5}{9} + 1 \frac{1}{9} = 6 \frac{6 \div 3}{9 \div 3} = 6 \frac{2}{3}$$

$$3 \frac{4}{10} + 1 \frac{1}{10} = 4 \frac{5 \div 5}{10 \div 5} = 4 \frac{1}{2} \qquad 9 \frac{1}{10} + 5 \frac{3}{10} = 14 \frac{4 \div 2}{10 \div 2} = 14 \frac{2}{5}$$

$$8 \frac{2}{12} + 2 \frac{2}{12} = 10 \frac{4 \div 4}{12 \div 4} = 10 \frac{1}{3} \qquad 3 \frac{4}{10} + 6 \frac{2}{10} = 9 \frac{6 \div 2}{10 \div 2} = 9 \frac{3}{5}$$

$$5 \frac{4}{8} + 5 \frac{2}{8} = 10 \frac{6 \div 2}{8 \div 2} = 10 \frac{3}{4} \qquad 9 \frac{3}{12} + 4 \frac{7}{12} = 13 \frac{10 \div 2}{12 \div 2} = 13 \frac{5}{6}$$

$$1 \frac{5}{12} + 1 \frac{4}{12} = 2 \frac{9 \div 3}{12 \div 3} = 2 \frac{3}{4} \qquad 7 \frac{6}{10} + 7 \frac{2}{10} = 14 \frac{8 \div 2}{10 \div 2} = 14 \frac{4}{5}$$

$$2 \frac{4}{12} + 4 \frac{6}{12} = 6 \frac{10 \div 2}{12 \div 2} = 6 \frac{5}{6} \qquad 9 \frac{3}{8} + 4 \frac{3}{8} = 13 \frac{6 \div 2}{8 \div 2} = 13 \frac{3}{4}$$

Add Mixed Numbers With Like Denominators (J)

Add the whole numbers.

Add the fractions.

Reduce the fraction. The whole number stays the same.

$$1 \frac{1}{8} + 5 \frac{1}{8} = 6 \frac{2}{8} \stackrel{\div 2}{=} \stackrel{\div 2}{=} 6 \frac{1}{4}$$

$$1 \frac{4}{12} + 3 \frac{4}{12} =$$

$$8 \frac{5}{9} + 7 \frac{1}{9} =$$

$$5 \frac{1}{12} + 7 \frac{2}{12} =$$

$$3 \frac{1}{6} + 7 \frac{2}{6} =$$

$$6 \frac{7}{10} + 3 \frac{1}{10} =$$

$$7 \frac{1}{12} + 1 \frac{9}{12} =$$

$$3 \frac{6}{12} + 8 \frac{2}{12} =$$

$$8 \frac{8}{12} + 5 \frac{2}{12} =$$

$$4 \frac{9}{12} + 7 \frac{1}{12} =$$

$$5 \frac{3}{12} + 5 \frac{6}{12} =$$

$$9 \frac{2}{10} + 2 \frac{2}{10} =$$

$$1 \frac{2}{9} + 2 \frac{4}{9} =$$

$$9 \frac{1}{12} + 7 \frac{2}{12} =$$

$$3 \frac{4}{10} + 7 \frac{4}{10} =$$

Add Mixed Numbers With Like Denominators (J) Answers

Note to teacher: All of the sums require reducing. None require renaming.

$$1 \frac{4}{12} + 3 \frac{4}{12} = 4 \frac{8}{12} \stackrel{\div 4}{=} 4 \frac{2}{3} \qquad 8 \frac{5}{9} + 7 \frac{1}{9} = 15 \frac{6}{9} \stackrel{\div 3}{=} 15 \frac{2}{3}$$

$$5 \frac{1}{12} + 7 \frac{2}{12} = 12 \frac{3}{12} \stackrel{\div 3}{=} 12 \frac{1}{4} \qquad 3 \frac{1}{6} + 7 \frac{2}{6} = 10 \frac{3}{6} \stackrel{\div 3}{=} 10 \frac{1}{2}$$

$$6 \frac{7}{10} + 3 \frac{1}{10} = 9 \frac{8}{10} \stackrel{\div 2}{=} 9 \frac{4}{5} \qquad 7 \frac{1}{12} + 1 \frac{9}{12} = 8 \frac{10}{12} \stackrel{\div 2}{=} 8 \frac{5}{6}$$

$$3 \frac{6}{12} + 8 \frac{2}{12} = 11 \frac{8}{12} \stackrel{\div 4}{=} 11 \frac{2}{3} \qquad 8 \frac{8}{12} + 5 \frac{2}{12} = 13 \frac{10}{12} \stackrel{\div 2}{=} 13 \frac{5}{6}$$

$$4 \frac{9}{12} + 7 \frac{1}{12} = 11 \frac{10}{12} \stackrel{\div 2}{=} 11 \frac{5}{6} \qquad 5 \frac{3}{12} + 5 \frac{6}{12} = 10 \frac{9}{12} \stackrel{\div 3}{=} 10 \frac{3}{4}$$

$$9 \frac{2}{10} + 2 \frac{2}{10} = 11 \frac{4}{10} \stackrel{\div 2}{=} 11 \frac{2}{5} \qquad 1 \frac{2}{9} + 2 \frac{4}{9} = 3 \frac{6}{9} \stackrel{\div 3}{=} 3 \frac{2}{3}$$

$$9 \frac{1}{12} + 7 \frac{2}{12} = 16 \frac{3}{12} \stackrel{\div 3}{=} 16 \frac{1}{4} \qquad 3 \frac{4}{10} + 7 \frac{4}{10} = 10 \frac{8}{10} \stackrel{\div 2}{=} 10 \frac{4}{5}$$