

Add Mixed Numbers

48

★ Add: $1\frac{1}{2} + 4\frac{5}{6}$ Estimate: $2 + 5 = 7$

Rewrite fractional parts with common denominators.

Add the fractions.
Add the whole numbers.

Write the sum in simplest form.

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

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

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

Add. Write the sum in simplest form.

① $9\frac{1}{4} + 2\frac{7}{8} =$

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

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

② $8\frac{3}{5} + 2\frac{7}{10} =$

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

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

③ $8\frac{1}{3} + 2\frac{3}{4} =$

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

$4\frac{8}{9} + 3\frac{2}{3} =$

④ $2\frac{7}{8} + 6 + 3\frac{2}{5} =$

- ⑤ The recipe for banana bread called for $2\frac{1}{4}$ cups of white flour and $1\frac{1}{3}$ cups of wheat flour. How much flour is needed altogether? _____

Subtract Mixed Numbers

49



Subtract: $6\frac{1}{2} - 1\frac{7}{8}$

Estimate: $7 - 2 = 5$

Rewrite fractional parts with common denominators.

$$6\frac{1}{2} - 1\frac{7}{8} = 6\frac{4}{8} - 1\frac{7}{8}$$

 Subtract the fractions.
 Regroup if needed.
 Subtract the whole numbers.

$$6\frac{4}{8} - 1\frac{7}{8} = ? \quad 5\frac{12}{8} - 1\frac{7}{8} = 4\frac{5}{8}$$

Write the difference in simplest form.

$$4\frac{5}{8} \text{ is in simplest form.}$$

Rewrite each mixed number as an improper fraction.

$$1 \quad 4\frac{2}{3} = 3\frac{2}{3}$$

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

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

$$7\frac{4}{9} = 6\frac{4}{9}$$

$$9 = \frac{12}{12}$$

Subtract. Write the difference in simplest form.

$$2 \quad 4\frac{4}{5} - 2\frac{1}{10} =$$

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

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

$$3 \quad 7\frac{1}{8} - 2\frac{1}{2} =$$

$$5 - 3\frac{5}{8} =$$

$$2\frac{3}{5} - 1\frac{7}{10} =$$

$$4 \quad 9 - 5\frac{11}{12} =$$

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

$$7\frac{5}{8} - 2\frac{2}{3} =$$

$$5 \quad 2\frac{4}{5} - 1\frac{3}{10} =$$

$$3\frac{7}{8} - 2\frac{1}{4} =$$

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