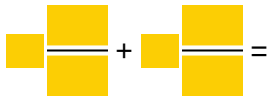
Name: Date:

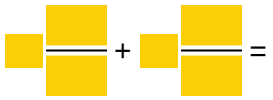
Adding Mixed Numbers

1. Add. First write equivalent fractions with a common denominator.

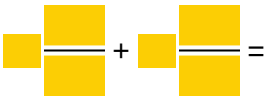
a. $1\frac{1}{2} + 5\frac{1}{4}$



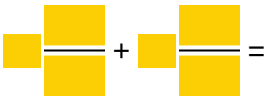
b. $2\frac{1}{3} + 3\frac{1}{4}$



c. $3\frac{3}{5} + 6\frac{3}{10}$



d. $5\frac{1}{6} + 2\frac{3}{8}$



2. Add. Rename the result if needed, and give it in lowest terms.

a. $3\frac{7}{12} + 1\frac{8}{12}$

$4\frac{\square}{12} = 5\frac{\quad}{12} = \frac{\quad}{4}$

b. $6\frac{5}{8} + 3\frac{5}{8}$

c. $4\frac{5}{11} + 2\frac{9}{11}$

3. Add. First write equivalent fractions with the same denominator. Rename the result if needed, and give it in lowest terms.

a. $3\frac{3}{4} \rightarrow 3\frac{3}{4}$

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

$4\frac{\quad}{4} = 5\frac{\quad}{4}$

b. $6\frac{7}{10} \rightarrow$

$+ 1\frac{1}{2} \rightarrow +$

c. $4\frac{4}{9} \rightarrow$

$+ 4\frac{2}{3} \rightarrow +$

d. $7\frac{3}{8} \rightarrow$

$+ 8\frac{1}{6} \rightarrow +$

e. $4\frac{3}{5} \rightarrow$

$+ 7\frac{1}{2} \rightarrow +$

f. $12\frac{3}{4} \rightarrow$

$+ 14\frac{1}{8} \rightarrow +$

4. Solve the problems.

a. If you put two boards 7/16 inches thick on top of each other, how thick is the double board?

b. A book cover has to go 5/8 inches over the edges of the book, on all sides. What are the dimensions of the cover for a book that measures 8 x 11 inches and is 7/8 inches thick?

It helps to draw a picture of the opened book.

Sample worksheet from
www.mathmammoth.com