Adding Fractions Visually

7th Grade Math

Name:_____

Shade in the following rectangles based on the fractions and use your shaded rectangles to approximate an answer. Then solve the problem mathematically showing all work.
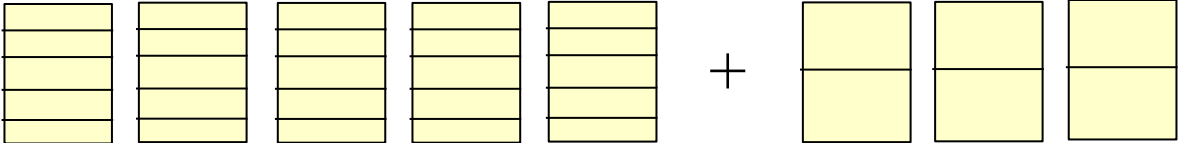
1)

$1\frac{2}{3} + 3\frac{1}{4}$
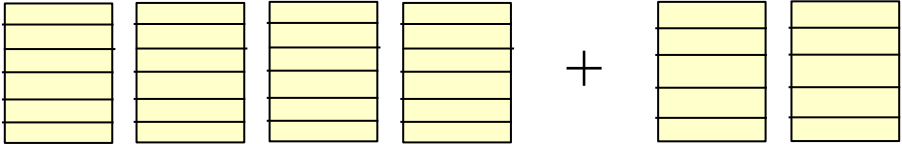
Approximate: _____   Work:

2)

$4\frac{3}{5} + 2\frac{1}{2}$
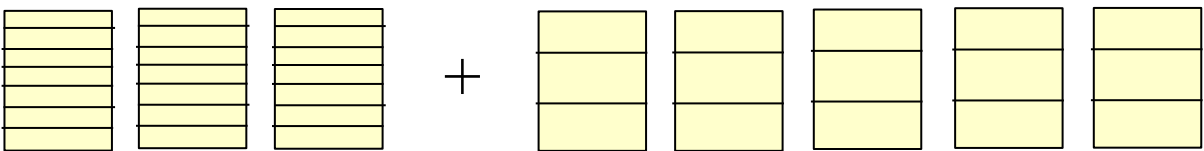
Approximate: _____   Work:

3)

$3\frac{5}{6} + 1\frac{1}{5}$

Approximate: _____   Work:

4)

$2\frac{5}{7} + 4\frac{1}{3}$

Approximate: _____   Work:

Do the following answers make sense, even without doing any work? All you have to do is write "Y" for yes or "N" for no. You do not need to do any work at all. Just try to picture it in your head.

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

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

7) $4\frac{3}{4}+6\frac{7}{8} = 11\frac{5}{8}$

8) $2\frac{1}{8}+4\frac{3}{7} = 8\frac{31}{56}$

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

10) $7\frac{2}{3}-4\frac{2}{5} = 5\frac{11}{15}$

11) $3\frac{1}{2}-\frac{4}{5} = 2\frac{7}{10}$

12) $4\frac{2}{9}-2\frac{1}{4} = \frac{35}{36}$

13) $1\frac{3}{4}-\frac{1}{2} = 1\frac{1}{4}$

14) $12\frac{4}{7}-5\frac{1}{4} = 7\frac{9}{28}$