3. Fill in the table based on the two examples in the beginning and the problems in exercises 1 and 2.

	fractions to add		converted to		fractions to add		converted to
a.	3rd parts	2nd parts	6th parts	**e.**	2nd parts	4th parts	___ parts
b.	3rd parts	4th parts	___ parts	**f.**	4th parts	6th parts	___ parts
c.	10th parts	5th parts	___ parts	**g.**	5th parts	2nd parts	___ parts
d.	8th parts	4th parts	___ parts	**h.**	2nd parts	8th parts	___ parts

Now think. How can we know to which kind of parts we need to convert the fractions we are adding?
Can you see any patterns or rules in the table?

4. Split the parts so that both fractions have same kind of parts. Underneath write the addition sentence.

Example:

These pictures change into...   ...these

$$\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$$

a. ___ + ___

b. ___ + ___

c. ___ + ___

d.

e.

f.

5. If you think you know to which kind of parts to convert the fractions, try these problems. In other words, try to convert the fractions so they have <u>a common denominator</u>. Write down the intermediate step, too. Otherwise read about the common denominator first (next page).

a. $\dfrac{1}{2} + \dfrac{2}{3}$

$\dfrac{}{6} + \dfrac{}{6} =$

b. $\dfrac{1}{5} + \dfrac{1}{3}$

$\dfrac{}{15} + \dfrac{}{15} =$

c. $\dfrac{2}{5} + \dfrac{2}{15}$

d. $\dfrac{1}{6} + \dfrac{1}{2}$

e. $\dfrac{2}{3} + \dfrac{1}{5}$

f. $\dfrac{1}{6} + \dfrac{1}{3}$

g. $\dfrac{1}{10} + \dfrac{1}{5}$

$=$

h. $\dfrac{1}{3} + \dfrac{11}{30}$

i. $\dfrac{4}{5} + \dfrac{1}{2}$

j. $\dfrac{1}{3} + \dfrac{1}{8}$

$=$

k. $\dfrac{5}{9} + \dfrac{2}{5}$

l. $\dfrac{2}{3} + \dfrac{1}{7}$

m. $\dfrac{5}{6} + \dfrac{3}{8}$

$=$

n. $\dfrac{3}{4} + \dfrac{3}{10}$

o. $\dfrac{4}{7} + \dfrac{1}{2}$

p. $\dfrac{4}{5} + \dfrac{3}{20}$

$=$

q. $\dfrac{1}{10} + \dfrac{5}{6}$

r. $\dfrac{2}{9} + \dfrac{5}{12}$