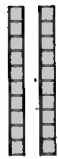

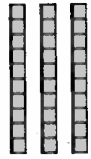

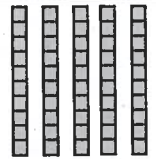



NS3-21: Adding 2-Digit Numbers

1. Find the sum of the numbers below by drawing a picture and by adding the digits.
Don't worry about drawing the model in too much detail.

a) $24 + 32$

	with base ten materials		with numerals	
	tens	ones	tens	ones
24			2	4
32			3	2
sum			5	6

b) $13 + 22$

	with base ten materials		with numerals	
	tens	ones	tens	ones
13				
22				
sum				

c) $23 + 33$

	with base ten materials		with numerals	
	tens	ones	tens	ones
23				
33				
sum				

d) $21 + 22$

	with base ten materials		with numerals	
	tens	ones	tens	ones
21				
22				
sum				

2. Add the numbers by adding the digits.

a)
$$\begin{array}{r} 21 \\ + 23 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 13 \\ + 22 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 41 \\ + 22 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 12 \\ + 45 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 52 \\ + 32 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 24 \\ + 31 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 12 \\ + 15 \\ \hline \end{array}$$

h)
$$\begin{array}{r} 21 \\ + 31 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 42 \\ + 13 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 31 \\ + 22 \\ \hline \end{array}$$