Concept Development

Addition (+) means to **put together**.

- *The **sum** is the answer to an **addition problem**.*
- *In **addition**, digits are lined up by place value[1].*

Regrouping in addition means moving a group of numbers to the next higher place value.

- ***Regrouping** is needed when the **sum** is 10 or more in a place-value column[2].*

Vocabulary

[1] location of a digit in a number
[2] lined up and down (gesture)

Place Value Chart

Hundreds	Tens	Ones

Adding up to four two-digit numbers.

Addition

31 + 28 + 10

	Tens	Ones
	3	1
	2	8
+	1	0
	6	9

Go to Skill Dev. # 1

Addition WITH Regrouping

34 + 28 + 12

	Tens	Ones
	1	
	3	4
	2	8
+	1	2
	7	4

Go to Skill Dev. # 2

Clarification and CFU

CFU

Which number is the sum? How do you know?

A 34
B 12
C 78

```
  34
  12
+ 32
  78
```

For which addition problem is regrouping needed? How do you know?

A

Tens	Ones
3	3
2	5
1	1

B

Tens	Ones
3	6
2	5
1	2

What is the difference between addition and addition with regrouping?

DataWORKS Educational Research
©2016 All rights reserved.

Concept Development for *adding three two-digit numbers*. (2nd)