## Quiz 3

Key

This is a two-stage quiz. During the first stage, you can use your knowledge & calculator. You have 15 min. In the second stage, you are now welcome to use your books, notes, and students in the class to retake the same quiz. You have 15 min. to write one solution (with everyone's name on it!!!) to be turned in for the group. Groups must be 2 or 3 people.

Show your work as you would for a colleague. Partial credit requires reasonable support.

23. 0 433 Jung 33	<ol> <li>[1] Circle the operation in the expression that sho need to find the value): 36 + (18 × 40 + 15)</li> <li>[2] Determine if the following statement is sometimed Provide brief justification. For all whole numbers of the content of</li></ol>	nes true, always true, or never true. $n, 0 \times n = 0$ .	
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Ser Ser	So n plus itself zero times	, so zero.	
Villey ?	Of Always tra.  The contract of miltiplicate  So n plus itself zero times  reasoning to the s		
	3. The base pieces for a subtraction problem are shown to the right. In words, the problem is to subtract the number with 2 longs and 1 unit base pieces from a number with 2 flats, 1 long, and 3 unit base pieces.		
	and 5 unit base pieces.		
(J. 7) / 1/2 / 1/3) / 24	(a) [2] Write the subtraction problem in positional notation for the given base.		
+.5) beg	6 - 21 31x 3(E)		
. **	(b) [5] Perform the subtraction. Provide critical s	teps as you would for a 4th grader.	
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What on (#1)

= 1523x or 180+ + \$longs + 2mb => 36+ 5×6+2 = 68