Name : _____ Date : _____

PAPILUMO / 3rd Grade • Answer key

Missing Digits: 3-Digit Addition With Regrouping

Work column by column from right to left (O, T, H) to deduce each missing digit and record every carried 1 in the top carry boxes.



Pico the Detective Fox audits each column from right to left! Always start at Ones and track every carried 1.

Model: 2[4]7 + 18[5] = 432

	H	T	O
	(1)	(1)	
	2	[4]	7
+	1	8	[5]
	4	3	2

A Part A - Single regrouping: deduce each missing digit (right to left)

1

	H	T	O
	( )	(1)	
	3	[4]	8
+	[2]	3	[5]
	5	8	3

2

	H	T	O
	(1)	( )	
	4	[6]	3
+	2	8	[4]
	[7]	4	7

B Part B - Double regrouping: track carries above T and H

3

	H	T	O
	(1)	(1)	
	2	7	[6]
+	[3]	5	8
	6	[3]	4

4

	H	T	O
	(1)	(1)	
	[1]	8	9
+	4	[6]	7
	6	5	[6]

5

	H	T	O
	(1)	(1)	
	5	[5]	4
+	[2]	7	9
	8	3	[3]

6

	H	T	O
	(1)	(1)	
	3	6	[8]
+	4	[8]	5
	[8]	5	3

Pico's tip: begin in the Ones column; whenever a column sums to 10 or more, write a carry 1 in the dashed box above.