

Purple parrots

## Column Addition and Subtraction (No Regrouping or Exchanging)

a.				b.				c.				d.				e.		
	4	9			3	6			2	6			4	7			5	5
-	2	3		+	3	2		+	3	1		+	2	2		-	3	2
f.				g.				h.				i.				j.		
	8	5			2	4			4	6			7	3			6	8
-	3	2		+	3	0		+	3	3		-	3	2		-	2	6
k.				l.				m.				n.				o.		
	2	2			7	1			7	2			4	7			9	5
+	5	7		-	3	1		+	2	7		+	5	1		-	3	4
p.				q.				r.				s.				t.		
	9	9			5	3			4	7			9	5			8	9
-	8	8		+	2	5		+	3	2		-	4	4		-	1	8
u.				v.				w.				x.				y.		
	6	7			6	3			1	3			3	9			2	5
-	4	6		+	2	6		+	7	5		-	2	4		+	4	4

# Column Addition and Subtraction (With Regrouping and Exchanging)

a.				b.				c.				d.				e.		
	6	7			3	6			2	6			4	7			5	5
-	2	9		+	3	7		+	4	4		+	4	8		-	3	6
f.				g.				h.				i.				j.		
	8	4			2	4			4	8			7	1			6	3
-	3	5		+	3	9		+	3	8		-	3	4		-	2	6
k.				l.				m.				n.				o.		
	2	7			7	1			3	6			4	7			9	5
+	5	7		-	3	3		+	1	7		+	4	3		-	3	7
p.				q.				r.				s.				t.		
	9	2			3	4			6	1			9	0			8	3
-	8	4		+	6	6		+	4	7		-	4	4		-	1	8
u.				v.				w.				x.				y.		
	6	5			6	3			5	6			3	3			5	9
-	4	6		+	8	8		+	7	5		-	2	4		+	6	4



## Adding Two 3-Digit Numbers - No Regrouping



I can use column addition

Calculate the answer to the following:

$\begin{array}{r} 273 \\ +514 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 451 \\ +225 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 304 \\ +463 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 615 \\ +172 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 153 \\ +716 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 805 \\ +102 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 572 \\ +213 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 531 \\ +267 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 202 \\ +236 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 370 \\ +116 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 622 \\ +375 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 312 \\ +251 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 476 \\ +403 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 155 \\ +234 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 371 \\ +628 \\ \hline \\ \hline \end{array}$	

Challenge: Complete the following calculations:

$\begin{array}{r} +3\_2 \\ \_3\_ \\ \hline 437 \end{array}$	$\begin{array}{r} +641 \\ \_4\_ \\ \hline 9\_6 \end{array}$	$\begin{array}{r} +4\_5 \\ \_22 \\ \hline 74\_ \end{array}$
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# 3-Digit Column Addition with Regrouping

1.					2.					3.					4.				
	4	5	5			2	7	1			5	9	0			1	9	9	
+	4	3	6		+	1	4	3		+	3	4	5		+	2	9	1	
5.					6.					7.					8.				
	3	7	4			8	7	9			6	0	8			9	1	4	
+	1	3	6		+		5	1		+	2	3	4		+		2	7	

Find the missing numbers in the calculations.

9.					10.					11.					12.				
	3	9	4			1	7				2	2	9			2	4		
+		2			+	1		5		+		4			+		8	8	
	5	1	6			3	1	8			5	7	2			5	3	1	
	1					1					1					1			

Explain the mistake that has been made.

	2	4	7
+	8	1	

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Sort the addition calculations into the table.

No Exchange	Exchange Ones	Exchange Tens

$427 + 143$

$356 + 28$

$356 + 82$

$234 + 105$

$782 + 133$

$801 + 147$