Example

What is 133 + 479?

Answer

We write the numbers in columns with their units, tens and hundreds lined up:

```
      1   3   3
  +   4   7   9
  _____

  _____
```

Starting at the right, we add up each column. The units column totals 12, so we write 2 in the units column space and 1 underneath the lines in the tens column:

```
      1   3   3
  +   4   7   9
  _____
              2
  _____
          1
```

We then add up everything in the tens column, including the 1 written underneath the lines:

```
      1   3   3
  +   4   7   9
  _____
          1   2
  _____
      1   1̶
```

Finally, add the hundreds column:

```
      1   3   3
  +   4   7   9
  _____
      6   1   2
  _____
      1̶   1̶
```

Therefore, the answer is 612.

Questions

1. What is 504 + 291?

2. What is 814 + 5208?

3. What is 73 + 812 + 439?

4. What is 115.4 + 639.7?

5. What is 6521 + 8826 + 7767?

Answers

1. We write the numbers into the lined-up format:

```
      5   0   4
  +   2   9   1
  _____

  _____
```

We first add up the units column:

```
      5   0   4
  +   2   9   1
  _____
              5
  _____
```

Then the tens column:

```
      5   0   4
  +   2   9   1
  _____
          9   5
  _____
```

Then the hundreds:

```
      5   0   4
  +   2   9   1
  _____
      7   9   5
  _____
```

So, the answer is 795.

2. We write the numbers into the lined-up format:

		8	1	4
+	5	2	0	8

We first add up the units column, which gives 12, so we write 2 in the units column and 1 underneath the lines in the tens column:

		8	1	4
+	5	2	0	8
				2
			1	

We then add up the tens column, including the 1 that is underneath the lines:

		8	1	4
+	5	2	0	8
			2	2
		~~1~~		

Then the hundreds column:

		8	1	4
+	5	2	0	8
		0	2	2
	1	~~1~~		

Finally, add up the thousands column

		8	1	4
+	5	2	0	8
	6	0	2	2
		~~1~~		~~1~~

So, the answer is 6022.

3. We write the numbers in the lined up format:

```
      7   3
   8  1   2
+  4  3   9
_____

_____
```

We add up the units column:

```
      7   3
   8  1   2
+  4  3   9
_____
          4
_____
      1
```

Then the tens column:

```
      7   3
   8  1   2
+  4  3   9
_____
      2   4
_____
   1  1
```

Then the hundreds column:

```
      7   3
   8  1   2
+  4  3   9
_____
1  3  2   4
_____
   1  1
```

To give an answer of 1324.

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4. We write the numbers into the lined-up format:

	1	1	5	.	4
+	6	3	9	.	7
				.	

We add up the decimal column:

	1	1	5	.	4
+	6	3	9	.	7
				.	1
			1		

Then the units column:

	1	1	5	.	4
+	6	3	9	.	7
			5	.	1
		1	1		

Then the tens column:

	1	1	5	.	4
+	6	3	9	.	7
		5	5	.	1
	1	1			

Then the hundreds column:

```
      1   1   5   .   4
  +   6   3   9   .   7
  _____
      7   5   5   .   1
          1̶   1̶
```

To give an answer of 755.1.

5. We write the numbers in the lined-up format:

	6	5	2	1
	8	8	2	6
+	7	7	6	7

We add the units column:

	6	5	2	1
	8	8	2	6
+	7	7	6	7
				4
			1	

Then the tens column:

	6	5	2	1
	8	8	2	6
+	7	7	6	7
			1	4
		1	1	

Then the hundreds column:

	6	5	2	1
	8	8	2	6
+	7	7	6	7
		1	1	4
	2	1	1	

Then finally the thousands column:

	6	5	2	1
	8	8	2	6
+	7	7	6	7
2	3	1	1	4
	~~2~~	~~1~~	~~1~~	

To give a final answer of 23,114.

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