Name _____   Date _____

Five Digit Subtraction - Guided Lesson Explanation

Explanation#1

First we subtract right to left digit so that 2 – 2 = 0. Write down 0

```
    8   5   7   6   2
-   4   7   6   3   2
_____
                    0
```

Then we subtract 6 – 3 = 3. Write down 3

```
    8   5   7   6   2
-   4   7   6   3   2
_____
                3   0
```

Then we subtract 7 – 6 = 1. Write down 1

```
    8   5   7   6   2
-   4   7   6   3   2
_____
            1   3   0
```

After that we subtract 5 – 7. We cannot subtract 7 from 5.

In 85762:   the "2" means 2 units, the "6" means 6 tens, the "7" means 7 hundred, the "5" means 5 thousand, the "8" means 80 thousand, so that:

    Reduce 8 by 1   Increase 5 by 10

So we borrow 1 tens (1 tens =10 units) from 8 so we can calculate

10 + 5 = 15. And subtract 15 - 7 = 8

```
    8   5   7   6   2
-   4   7   6   3   2
_____
        8   1   3   0
```

In the 80 thousand we borrow 1 tens i.e. 8 - 1 = 7. So we subtract 7 – 4 = 3

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```
    8   5   7   6   2
-   4   7   6   3   2
  _____
    3   8   1   3   0
```

So the answer is 38130

Explanation#2

First we subtract right to left digit so that 4 − 1 = 3. Write down 3

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

After that we subtract 1 − 4.We can't 4 from 1

In 97314   the "4" means 4 units, the "1" means 1 tens, the "3" means 3 hundred, the "7" means 7 thousand, the "9" means 90 thousand, so that:

   Reduce 3 by 1   Increase 1 by 10

So we borrow 1 tens (1 tens =10 units) from 3 so we can calculate

10 + 1 = 11. And subtract 11 - 4 = 7

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

In the 3 hundred we borrow 1 tens i.e. 3 - 1 = 2. So we subtract 2 − 2 = 0

```
    9   7   3   1   4
-   2   9   2   4   1
  _____
            0   7   3
```

Then we subtract 7 – 9 (How to do smaller number – larger number?)

so that: Reduce 9 by 1   Increase 7 by 10

We borrowing 1 tens (1 tens =10 units) from 9 so we can calculate

10 + 7 = 17. And subtract 17 - 9 = 8

```
    9   7   3   1   4
-   2   9   2   4   1
_____
        8   0   7   3
```

Now we subtract 8 – 2 = 6

```
    9   7   3   1   4
-   2   9   2   4   1
_____
    6   8   0   7   3
```

So the answer is 68073

Explanation#3

First we subtract right to left digit so that 9 – 8 = 1. Write down 1

```
    3   7   8   4   9
-   2   5   4   1   8
_____
                    1
```

Then we subtract 4 – 1 = 3. Write down 3

```
    3   7   8   4   9
-   2   5   4   1   8
_____
                3   1
```

Then we subtract 8 − 4 = 4. Write down 4

```
    3   7   8   4   9
-   2   5   4   1   8
            4   3   1
```

After that we subtract 7 − 5 = 2. Write down 2

```
    3   7   8   4   9
-   2   5   4   1   8
        2   4   3   1
```

Now we subtract 3 -2 =1

```
    3   7   8   4   9
-   2   5   4   1   8
    1   2   4   3   1
```

So the answer is 12431