Name _____ Date _____

Long Division With Partial Quotients #1

How to Divide With Partial Quotients

Step 1: Work with multiples of 100 and ask yourself: How many times can 4 go into 536? 4 can go into this dividend 100 times without going over.

Step 2: Subtract 400 from 536. How many times can 4 go into 136? Think multiples of 10! 4 multiplied by 30 is 120.

Step 3: Repeat until you can't subtract.

Step 4: Find the sum of the partial quotients.

```
  divisor        dividend
    4 | 5 3 6
    - 4 0 0 | 100
      1 3 6
    - 1 2 0 |  30
        1 6
      - 1 6 | + 4
          0 | 134
```

$100 + 30 + 4 = 134$

$536 ÷ 4 = \boxed{134}$

Directions: Find each quotient using the Partial Quotient Strategy and show all of your work. There are no remainders.

1. $\boxed{212}$

```
  4 | 8 4 8
    - 8 0 0 | 200
        4 8
      - 4 0 |  10
          8
        - 8
          0
```

$200 + 10 + 2 = 212$

2. $\boxed{175}$

```
  3 | 5 2 5
```

3. $\boxed{215}$

```
  2 | 4 3 0
```

Let's Check Using the Inverse Operation!

Use multiplication to check your answer for problem number 1. Show all of your work.

Students' responses will vary. This shows that 4 equal groups of 212 equals 848.

```
    2 1 2
  ×     4
    8 4 8
```