

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Show your thinking in **two ways**. One must be the algorithm

|             |   |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
|-------------|---|------------|-----|----|---|-----|------------|---|-----|-------|---|-----|-------|---|-----|-----|----|-----|----|----|--------|----------|--|-------|
| $535 + 5 =$ | <p>way 1.</p> <table border="1"> <tr> <td>5</td> <td>500</td> <td>35</td> </tr> <tr> <td></td> <td>100</td> <td>+ 7 = 107</td> </tr> </table>   | 5          | 500 | 35 |   | 100 | + 7 = 107  | <p>way 2.</p> <table border="1"> <tr> <td>535</td> </tr> <tr> <td>+ 5</td> </tr> <tr> <td>100</td> </tr> <tr> <td>107</td> </tr> </table> | 535 | + 5   | 100   | 107 |       |   |     |     |    |     |    |    |        |          |  |       |
| 5           | 500   | 35         |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
|             | 100   | + 7 = 107  |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
| 535         |   |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
| + 5         |   |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
| 100         |   |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
| 107         |   |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
| $435 + 6 =$ | <table border="1"> <tr> <td>6</td> <td>435</td> <td>70</td> </tr> <tr> <td>-</td> <td>420</td> <td>2</td> </tr> <tr> <td></td> <td>15</td> <td>23</td> </tr> <tr> <td></td> <td></td> <td>72 R3</td> </tr> </table> | 6          | 435 | 70 | - | 420 | 2          |   | 15  | 23    |   |     | 72 R3 | <table border="1"> <tr> <td>6</td> <td>435</td> </tr> <tr> <td>-</td> <td>420</td> </tr> <tr> <td></td> <td>15</td> </tr> <tr> <td></td> <td>6 = 2 R3</td> </tr> <tr> <td></td> <td>53 R2</td> </tr> </table> | 6   | 435 | -  | 420 |    | 15 |        | 6 = 2 R3 |  | 53 R2 |
| 6           | 435   | 70         |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
| -           | 420   | 2          |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
|             | 15  | 23         |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
|             |   | 72 R3      |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
| 6           | 435   |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
| -           | 420   |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
|             | 15  |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
|             | 6 = 2 R3  |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
|             | 53 R2   |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
| $426 + 8 =$ | <table border="1"> <tr> <td>8</td> <td>400</td> <td>26</td> </tr> <tr> <td></td> <td>50</td> <td>+ 3 + R2 =</td> </tr> <tr> <td></td> <td></td> <td>53 R2</td> </tr> </table>                                       | 8          | 400 | 26 |   | 50  | + 3 + R2 = |   |     | 53 R2 | <table border="1"> <tr> <td>8</td> <td>426</td> </tr> <tr> <td>-</td> <td>400</td> </tr> <tr> <td></td> <td>26</td> </tr> <tr> <td>-</td> <td>24</td> </tr> <tr> <td></td> <td>2 = R2</td> </tr> </table> | 8   | 426   | -   | 400 |     | 26 | -   | 24 |    | 2 = R2 |          |  |       |
| 8           | 400   | 26         |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
|             | 50  | + 3 + R2 = |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
|             |   | 53 R2      |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
| 8           | 426   |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
| -           | 400   |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
|             | 26  |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
| -           | 24  |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |
|             | 2 = R2  |            |     |    |   |     |            |   |     |       |   |     |       |   |     |     |    |     |    |    |        |          |  |       |

Solve for the missing number

$$\underline{51} \div 8 = 6r3$$

$$6 \times 8 = 48 + 3 = 51$$

$$\underline{43} \div 4 = 9r7 \quad 4 \times 9 = 36 + 7 = 43$$

$$63 \div \underline{\quad} = 7 \text{ r } 1$$

$$\underline{\quad} \div 6 = 168$$

$$\underline{\quad} \div 3 = 1233$$