***Adding Decimals***

Name: Div.: Date:

Steps:

1. Round each number to the nearest whole number (ending in a zero or 5) and add as required to get a rough estimate of your answer.
   1. E.G. 34.6 + 27.8 becomes 35 plus 30, which is 65.
   2. E.G. 3.46 – 2.78 becomes 3.5 minus 3, which is 0.5
2. Line up the place values using the decimal place as a spot holder

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 3 | 5 |  |  |
|  |  | 3. | 7 |  |
| + |  | 0. | 5 | 9 |

* 1. E.G. 35 + 3.7 + 0.59 🡪

Note: Every Whole number has a decimal after it! Think about money 🡪 $1 or $1.00

1. Fill any spaces with zeros (\*optional place holder)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 3 | 5. | *0* | *0* |
|  |  | 3. | 7 | *0* |
| + |  | 0. | 5 | 9 |

1. Add each place value
   1. Adding:
      1. You may only have one digit per place value -> the “1” from a value of “10” would move into the next place value so you put it above the equation to add it. (carry over)
         1. Similar to trading in money (10 pennies = 1 dime; the 1 from the 10 became a 1 in the next place value).
      2. Continue to add until all of the digits have been exhausted

0.7 + 0.5 = 1.2

So, the 1 was moved above the 5 to remind ourselves to add it to that place value, while the two remained in the original place value.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 3 | +15. | *0* | *0* |
|  |  | 3. | 7 | *0* |
| + |  | 0. | 5 | 9 |
|  | 3 | 9. | 2 | 9 |

|  |  |
| --- | --- |
| Estimate; then find the sum: | |
| 1) 67.4 + 83.7 | 6) 6.19 + 100.901 |
| 2) 94.6 + 59.1 | 7) 325.6 + 334.042 |
| 3) 65.09 + 87.3 | 8) 105.046 + 900.09 |
| 4) 85.6 + 1156.07 | 9) 67.03 +19 + 0.375 |
| 5) 42.668 + 33.24 | 10) 36 + 5.075 + 2.62 |