1. Complete the following table and put a line over the defining significant digit in each number:

|  |  |  |
| --- | --- | --- |
| **Number** | **Decimal Places** | **Significant Figures** |
| 376 | 0 | 3 |
| 376.0 | 1 | 4 |
| 376,908 | 0 | 6 |
| 3,760,000 | 0 | 3 |
| 3,760,000. | 0 | 7 |
| 0.376 | 3 | 3 |
| 0.37600 | 5 | 5 |
| 0.0037600 | 7 | 5 |
| 3.76x10-6 | 8 | 3 |

Complete the following calculation questions and report the answer with the proper number of significant figures. Place a line over the defining significant digit of each number in the question.

1. (2.43)(17.675) = 43.0
2. (2.479 h)(60 min/h) = 148.7 min
3. 1725.463 – 489.2 + 6.73 = 1243.0
4. 903,000 + 59,600 + 104,470 = 1,067,000
5. 2.959(5.40E2 – 32) = 1500