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## Round any Whole Number to a Required Degree of Accuracy Worksheet

A. For each of these numbers, fill out the table by rounding the original number to the required degree of accuracy.

| Number      | Rounded to Nearest Ten | Nearest Hundred | Nearest Thousand | Nearest Ten Thousand | Nearest Hundred Thousand | Nearest Million |
|-------------|------------------------|-----------------|------------------|----------------------|--------------------------|-----------------|
| 5 658 485   |                        |                 |                  |                      |                          |                 |
| 34 745 123  |                        |                 |                  |                      |                          |                 |
| 56 830 879  |                        |                 |                  |                      |                          |                 |
| 50 313      |                        |                 |                  |                      |                          |                 |
| 776 927     |                        |                 |                  |                      |                          |                 |
| 379 298 845 |                        |                 |                  |                      |                          |                 |
| 4 448 529   |                        |                 |                  |                      |                          |                 |
| 99 999 999  |                        |                 |                  |                      |                          |                 |

B. The table below shows the results after some numbers have been input into a rounding machine. Can you write a number which **could** have been put in to the machine to achieve the output number?

| Output      | Function Selected                     | Possible Input |
|-------------|---------------------------------------|----------------|
| 57 000      | Round to nearest thousand             |                |
| 1 000 000   | Round to nearest million              |                |
| 2 345 890   | Round to the nearest ten              |                |
| 6 450 000   | Round to the nearest ten thousand     |                |
| 77 200 000  | Round to the nearest hundred thousand |                |
| 680 000 000 | Round to the nearest ten million      |                |

# Round any Whole Number to a Required Degree of Accuracy Worksheet: Answers

| question  | answer                           |                        |                    |                    |                      |                          |                    |
|-----------|----------------------------------|------------------------|--------------------|--------------------|----------------------|--------------------------|--------------------|
| <b>A.</b> |                                  |                        |                    |                    |                      |                          |                    |
|           | Number                           | Rounded to Nearest Ten | Nearest Hundred    | Nearest Thousand   | Nearest Ten Thousand | Nearest Hundred Thousand | Nearest Million    |
|           | 5 658 485                        | <b>5 658 490</b>       | <b>5 658 500</b>   | <b>5 658 000</b>   | <b>5 660 000</b>     | <b>5 700 000</b>         | <b>6 000 000</b>   |
|           | 34 745 123                       | <b>34 745 120</b>      | <b>34 745 100</b>  | <b>34 745 000</b>  | <b>34 750 000</b>    | <b>34 700 000</b>        | <b>35 000 000</b>  |
|           | 56 830 879                       | <b>56 830 880</b>      | <b>56 830 900</b>  | <b>56 831 000</b>  | <b>56 830 000</b>    | <b>56 800 000</b>        | <b>57 000 000</b>  |
|           | 50 313                           | <b>50 310</b>          | <b>50 300</b>      | <b>50 000</b>      | <b>50 000</b>        | <b>100 000</b>           | <b>0</b>           |
|           | 776 927                          | <b>776 930</b>         | <b>776 900</b>     | <b>777 000</b>     | <b>780 000</b>       | <b>800 000</b>           | <b>1 000 000</b>   |
|           | 379 298 845                      | <b>379 298 850</b>     | <b>379 298 800</b> | <b>379 299 000</b> | <b>379 300 000</b>   | <b>379 300 000</b>       | <b>379 000 000</b> |
|           | 4 448 529                        | <b>4 448 530</b>       | <b>4 448 500</b>   | <b>4 449 000</b>   | <b>4 450 000</b>     | <b>4 400 000</b>         | <b>4 000 000</b>   |
|           | 99 999 999                       | <b>100 000 000</b>     | <b>100 000 000</b> | <b>100 000 000</b> | <b>100 000 000</b>   | <b>100 000 000</b>       | <b>100 000 000</b> |
| <b>B.</b> |                                  |                        |                    |                    |                      |                          |                    |
| 1         | <b>56 500 - 57 499</b>           |                        |                    |                    |                      |                          |                    |
| 2         | <b>500 000 - 1 499 999</b>       |                        |                    |                    |                      |                          |                    |
| 3         | <b>2 345 885 - 2 345 894</b>     |                        |                    |                    |                      |                          |                    |
| 4         | <b>6 445 000 - 6 454 999</b>     |                        |                    |                    |                      |                          |                    |
| 5         | <b>77 150 000 - 77 249 999</b>   |                        |                    |                    |                      |                          |                    |
| 6         | <b>675 000 000 - 684 999 999</b> |                        |                    |                    |                      |                          |                    |