**Upper and Lower Bounds**

|  |  |  |  |
| --- | --- | --- | --- |
| Initial Value | Degree of accuracy | Rounded value | This has been rounded to the nearest… |
| 292 | 2SF | ***290*** | ***10*** |
| 2.154 | 3SF | ***2.15*** | ***0.01*** |
| 351 | 1 SF | ***400*** |  |
| 2,567 | 2SF | ***2,600*** |  |
| 36.789 | 3SF |  | ***0.1*** |
| 7.275 | 3SF |  | ***0.01*** |
| 3,675 | 3SF |  |  |
| 1,234.5678 | 3SF |  |  |
| 987.654 | 3SF |  |  |
| 2.367 | 3SF |  |  |
| 46.8 | 1SF |  |  |
| 296 | 2SF |  |  |
| 296 | 1SF |  |  |
| 345 |  | 350 |  |
| 22.78 |  | 22.8 |  |
| 485.2 |  |  | 10 |
| 456,789 |  |  | 1,000 |
| ***455 - 465*** | ***2sf*** | 460 | 10 |
|  |  | 200 | 100 |
|  |  | 22.4 | 0.1 |
|  | 2SF | 3,400 |  |
|  | 3SF | 3,400 |  |
|  | 4SF | 3,400 |  |
|  | 1SF | 1000 |  |

Answers

|  |  |  |  |
| --- | --- | --- | --- |
| Initial Value | Degree of accuracy | Rounded value | This has been rounded to the nearest… |
| 292 | 2SF | ***290*** | ***10*** |
| 2.154 | 3SF | ***2.15*** | ***0.01*** |
| 351 | 1 SF | ***400*** | ***100*** |
| 2,567 | 2SF | ***2,600*** | ***100*** |
| 36.789 | 3SF | ***36.8*** | ***0.1*** |
| 7.275 | 3SF | ***7.28*** | ***0.01*** |
| 3,675 | 3SF | ***3,680*** | ***10*** |
| 1,234.5678 | 3SF | ***1,230*** | ***10*** |
| 987.654 | 3SF | ***988*** | ***1*** |
| 2.367 | 3SF | ***2.37*** | ***0.01*** |
| 46.8 | 1SF | ***50*** | ***10*** |
| 296 | 2SF | ***300*** | ***10*** |
| 296 | 1SF | ***300*** | ***100*** |
| 345 | ***2sf*** | 350 | ***10*** |
| 22.78 | ***3sf*** | 22.8 | ***0.1*** |
| 485.2 | ***2sf*** | ***490*** | 10 |
| 456,789 | ***3sf*** | ***457,000*** | 1,000 |
| ***455 - 465*** | ***2sf*** | 460 | 10 |
| ***150 - 250*** | ***1sf*** | 200 | 100 |
| ***22.35 – 22.45*** | ***3sf*** | 22.4 | 0.1 |
| ***3,350 – 3,450*** | 2SF | 3,400 | ***100*** |
| ***3,395 – 3,405*** | 3SF | 3,400 | ***10*** |
| ***3,399.5 – 3,400.5*** | 4SF | 3,400 | ***1*** |
| ***950 – 1,500*** | 1SF | 1,000 | ***100 or 1,000*** |