**Limits of Accuracy - Basics**

|  |  |  |
| --- | --- | --- |
| Name : | Class : | Date : |

|  |  |  |
| --- | --- | --- |
| Mark : | /12 | % |

|  |  |
| --- | --- |
| **1)** The number 55 has been rounded to the nearest unit. Find its lower and upper bounds.       | [1]   |
| **2)** The number 66 has been rounded to the nearest integer. Find its lower and upper bounds.       | [1]   |
| **3)** The number 76 has been rounded to the nearest integer. Find its lower and upper bounds.       | [1]   |
| **4)** The number 800 has been rounded to the nearest 100. Find its lower and upper bounds.       | [1]   |
| **5)** The number 10000 has been rounded to the nearest 1000. Find its lower and upper bounds.       | [1]   |
| **6)** The number 500 has been rounded to the nearest 100. Find its lower and upper bounds.       | [1]   |
| **7)** The number 25.3 has been rounded to the nearest 1 decimal place. Find its lower and upper bounds.       | [1]   |
| **8)** The number 82.8 has been rounded to the nearest 1 decimal place. Find its lower and upper bounds.       | [1]   |
| **9)** The number 99.2 has been rounded to the nearest tenth. Find its lower and upper bounds.       | [1]   |
| **10)** The number 60 has been rounded to 1 significant figure. Find its lower and upper bounds.       | [1]   |
| **11)** The number 50 has been rounded to 1 significant figure. Find its lower and upper bounds.       | [1]   |
| **12)** The number 800 has been rounded to 1 significant figure. Find its lower and upper bounds.       | [1]   |

**Solutions for the assessment Limits of Accuracy - Basics**

|  |  |
| --- | --- |
| **1)** 54.5  $\leq $ 55  $<$ 55.5 | **2)** 65.5  $\leq $ 66  $<$ 66.5 |
| **3)** 75.5  $\leq $ 76  $<$ 76.5 | **4)** 750  $\leq $ 800  $<$ 850 |
| **5)** 9500  $\leq $ 10000  $<$ 10500 | **6)** 450  $\leq $ 500  $<$ 550 |
| **7)** 25.25  $\leq $ 25.3  $<$ 25.35 | **8)** 82.75  $\leq $ 82.8  $<$ 82.85 |
| **9)** 99.15  $\leq $ 99.2  $<$ 99.25 | **10)** 55  $\leq $ 60  $<$ 65 |
| **11)** 45  $\leq $ 50  $<$ 55 | **12)** 750  $\leq $ 800  $<$ 850 |