**Limits of Accuracy - Basics**

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| Name : | Class : | Date : |

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| **1)** The number 79 has been rounded to the nearest unit. Find its lower and upper bounds.       | [1]   |
| **2)** The number 10 has been rounded to the nearest whole number. Find its lower and upper bounds.       | [1]   |
| **3)** The number 16 has been rounded to the nearest integer. Find its lower and upper bounds.       | [1]   |
| **4)** The number 1000 has been rounded to the nearest 100. Find its lower and upper bounds.       | [1]   |
| **5)** The number 9000 has been rounded to the nearest 1000. Find its lower and upper bounds.       | [1]   |
| **6)** The number 1000 has been rounded to the nearest 100. Find its lower and upper bounds.       | [1]   |
| **7)** The number 51.2 has been rounded to the nearest 1 decimal place. Find its lower and upper bounds.       | [1]   |
| **8)** The number 43.4 has been rounded to the nearest tenth. Find its lower and upper bounds.       | [1]   |
| **9)** The number 22.4 has been rounded to the nearest 1 decimal place. 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 3 has been rounded to 1 significant figure. Find its lower and upper bounds.       | [1]   |
| **12)** The number 70 has been rounded to 1 significant figure. Find its lower and upper bounds.       | [1]   |

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

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| **1)** 78.5  $\leq $ 79  $<$ 79.5 | **2)** 9.5  $\leq $ 10  $<$ 10.5 |
| **3)** 15.5  $\leq $ 16  $<$ 16.5 | **4)** 950  $\leq $ 1000  $<$ 1050 |
| **5)** 8500  $\leq $ 9000  $<$ 9500 | **6)** 950  $\leq $ 1000  $<$ 1050 |
| **7)** 51.15  $\leq $ 51.2  $<$ 51.25 | **8)** 43.35  $\leq $ 43.4  $<$ 43.45 |
| **9)** 22.35  $\leq $ 22.4  $<$ 22.45 | **10)** 55  $\leq $ 60  $<$ 65 |
| **11)** 2.5  $\leq $ 3  $<$ 3.5 | **12)** 65  $\leq $ 70  $<$ 75 |