**Limits of Accuracy - Basics**

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| Name : | Class : | Date : |

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| Mark : | /12 | % |

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| **1)** The number 41 has been rounded to the nearest whole number. Find its lower and upper bounds.       | [1]   |
| **2)** The number 37 has been rounded to the nearest integer. Find its lower and upper bounds.       | [1]   |
| **3)** The number 80 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 2000 has been rounded to the nearest 1000. Find its lower and upper bounds.       | [1]   |
| **6)** The number 9000 has been rounded to the nearest 1000. Find its lower and upper bounds.       | [1]   |
| **7)** The number 72.7 has been rounded to the nearest 1 decimal place. Find its lower and upper bounds.       | [1]   |
| **8)** The number 50.7 has been rounded to the nearest 1 decimal place. Find its lower and upper bounds.       | [1]   |
| **9)** The number 69.6 has been rounded to the nearest tenth. Find its lower and upper bounds.       | [1]   |
| **10)** The number 3 has been rounded to 1 significant figure. Find its lower and upper bounds.       | [1]   |
| **11)** The number 7 has been rounded to 1 significant figure. Find its lower and upper bounds.       | [1]   |
| **12)** The number 9 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)** 40.5  $\leq $ 41  $<$ 41.5 | **2)** 36.5  $\leq $ 37  $<$ 37.5 |
| **3)** 79.5  $\leq $ 80  $<$ 80.5 | **4)** 950  $\leq $ 1000  $<$ 1050 |
| **5)** 1500  $\leq $ 2000  $<$ 2500 | **6)** 8500  $\leq $ 9000  $<$ 9500 |
| **7)** 72.65  $\leq $ 72.7  $<$ 72.75 | **8)** 50.65  $\leq $ 50.7  $<$ 50.75 |
| **9)** 69.55  $\leq $ 69.6  $<$ 69.65 | **10)** 2.5  $\leq $ 3  $<$ 3.5 |
| **11)** 6.5  $\leq $ 7  $<$ 7.5 | **12)** 8.5  $\leq $ 9  $<$ 9.5 |