

## Limits of Accuracy - Basics

Name:	Class:	Date:
Mark		/ 12
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- 1) The number 34 has been rounded to the nearest whole number. Find its lower and upper bounds. [1]
  
- 2) The number 100 has been rounded to the nearest unit. Find its lower and upper bounds. [1]
  
- 3) The number 46 has been rounded to the nearest unit. 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 80 has been rounded to the nearest 10. Find its lower and upper bounds. [1]
  
- 6) The number 70 has been rounded to the nearest 10. Find its lower and upper bounds. [1]
  
- 7) The number 75.7 has been rounded to the nearest 1 decimal place. Find its lower and upper bounds. [1]
  
- 8) The number 93.4 has been rounded to the nearest tenth. Find its lower and upper bounds. [1]
  
- 9) The number 41.4 has been rounded to the nearest 1 decimal place. Find its lower and upper bounds. [1]
  
- 10) The number 8 has been rounded to 1 significant figure. Find its lower and upper bounds. [1]

11) The number 30 has been rounded to 1 significant figure. Find its lower and upper bounds. [1]

12) The number 400 has been rounded to 1 significant figure. Find its lower and upper bounds. [1]

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

**1)**  $33.5 \leq 34 < 34.5$

**2)**  $99.5 \leq 100 < 100.5$

**3)**  $45.5 \leq 46 < 46.5$

**4)**  $750 \leq 800 < 850$

**5)**  $75 \leq 80 < 85$

**6)**  $65 \leq 70 < 75$

**7)**  $75.65 \leq 75.7 < 75.75$

**8)**  $93.35 \leq 93.4 < 93.45$

**9)**  $41.35 \leq 41.4 < 41.45$

**10)**  $7.5 \leq 8 < 8.5$

**11)**  $25 \leq 30 < 35$

**12)**  $350 \leq 400 < 450$