

Fill in the Blanks

Upper and Lower Bounds

| x | Level of Accuracy | Lower Bound | Upper Bound | Error Interval |
|-------|-------------------------------|-------------|-------------|------------------------|
| 30 | <i>to the nearest 10</i> | 25 | 35 | $25 \leq x < 35$ |
| 700 | <i>to the nearest 100</i> | 650 | 750 | $650 \leq x < 750$ |
| 25 | <i>to the nearest integer</i> | 24.5 | 25.5 | $24.5 \leq x < 25.5$ |
| 25 | <i>to the nearest 5</i> | 22.5 | 27.5 | $22.5 \leq x < 27.5$ |
| 24000 | <i>to the nearest 1000</i> | 23500 | 24500 | $23500 \leq x < 24500$ |
| 7.8 | <i>to the nearest 0.1</i> | 7.75 | 7.85 | $7.75 \leq x < 7.85$ |
| 360 | <i>to the nearest 20</i> | 350 | 370 | $350 \leq x < 370$ |
| 360 | <i>to the nearest integer</i> | 359.5 | 360.5 | $359.5 \leq x < 360.5$ |
| 6000 | <i>to the nearest 100</i> | 5950 | 6050 | $5950 \leq x < 6050$ |
| 200 | <i>to the nearest 5</i> | 197.5 | 202.5 | $197.5 \leq x < 202.5$ |
| 200 | <i>to the nearest 10</i> | 195 | 205 | $195 \leq x < 205$ |
| 13 | <i>to the nearest tenth</i> | 12.95 | 13.05 | $12.95 \leq x < 13.05$ |
| 8 | <i>to the nearest integer</i> | 7.5 | 8.5 | $7.5 \leq x < 8.5$ |
| 50000 | <i>to the nearest 1000</i> | 49500 | 50500 | $49500 \leq x < 50500$ |
| 8 | <i>to the nearest 2</i> | 7 | 9 | $7 \leq x < 9$ |