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| <b>a</b> Find the smallest number that rounds to 70 to the nearest 10<br><br>$65$<br>the smallest value that rounds to it             | <b>b</b> $x = 70$ , rounded to the nearest 10. Write the error interval for $x$ .<br><br>$65 \leq x < 75$<br>the error interval ( $<$ at the top) | <b>c</b> $x = 8$ , rounded to the nearest whole number. Write the error interval for $x$ .<br><br>$7.5 \leq x < 8.5$<br>to the nearest whole number | <b>d</b> $x = 3.4$ , rounded to 1 decimal place. Write the error interval for $x$ .<br><br>$3.35 \leq x < 3.45$<br>to 1 decimal place     |
| <b>e</b> $x = 0.62$ , rounded to 2 dp. Write the error interval for $x$ .<br><br>$0.615 \leq x < 0.625$<br>to 2 decimal places        | <b>f</b> $x = 4.0$ , rounded to 1 dp. Write the error interval for $x$ .<br><br>$3.95 \leq x < 4.05$<br>a trailing zero (4.0)                     | <b>g</b> $x = 300$ , rounded to 1 significant figure. Write the error interval for $x$ .<br><br>$250 \leq x < 350$<br>to 1 significant figure       | <b>h</b> $x = 5000$ , rounded to 2 sf. Write the error interval for $x$ .<br><br>$4950 \leq x < 5050$<br>2 sf where the zeros hold places |
| <b>i</b> $x = 0.048$ , rounded to 2 sf. Write the error interval for $x$ .<br><br>$0.0475 \leq x < 0.0485$<br>2 sf of a small decimal | <b>j</b> $x = 35$ , rounded to the nearest 5. Write the error interval for $x$ .<br><br>$32.5 \leq x < 37.5$<br>to the nearest 5 (half of 5)      | <b>k</b> $x = 6$ , truncated to a whole number. Write the error interval for $x$ .<br><br>$6 \leq x < 7$<br>truncation                              | <b>l</b> $x = 2.7$ , truncated to 1 dp. Write the error interval for $x$ .<br><br>$2.7 \leq x < 2.8$<br>truncation to 1 decimal place     |

The Maths Habit

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