

Maths Questions on Limit of Accuracy

Leikov

1. What is the rounding digit when rounding the number 736 to the nearest ten?

- A) 7
 - B) 3
 - C) 6
 - D) 0
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2. If you are rounding the number 532 to the nearest hundred, which digit is the rounding digit?

- A) 5
 - B) 3
 - C) 2
 - D) 0
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3. When rounding the number 2487 to the nearest thousand, the rounding digit is located in which place?

- A) Thousands place
 - B) Hundreds place
 - C) Tens place
 - D) Ones place
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4. If the digit after the rounding digit is 3, what should you do when rounding the number?

- A) Increase the rounding digit by 1
 - B) Leave the rounding digit unchanged
 - C) Remove the rounding digit
 - D) Add a 5 to the rounding digit
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5. When rounding 478 to the nearest ten, what is the rounded number?

- A) 470
- B) 480

- C) 490
 - D) 500
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6. The population of a town is 47,634 people. Round this number to **the nearest 100**

- A) 47,640
 - B) 48,000
 - C) 47,600
 - D) 47,700
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7. What is the correct rounded value of 10.673 to 1 decimal place?

- A) 10.6
 - B) 10.7
 - C) 10.68
 - D) 10.5
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8. What is the correct value of 2.364 rounded to 2 significant figures?

- A) 2.36
 - B) 2.4
 - C) 2.3
 - D) 2.00
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9. What is the nearest whole number to 35.946?

- A) 35
 - B) 36
 - C) 37
 - D) 34
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10. What is the nearest whole number to 45.1999?

- A) 45
 - B) 46
 - C) 44
 - D) 47
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11. What is the nearest whole number to $\sqrt{5}$?

- A) 2
 - B) 3
 - C) 4
 - D) 1
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12. What is 1.936 rounded to 1 decimal place and 2 decimal places?

- A) 1.9 (1 d.p.), 1.9 (2 d.p.)
 - B) 1.93 (1 d.p.), 1.936 (2 d.p.)
 - C) 1.94 (1 d.p.), 1.936 (2 d.p.)
 - D) 1.9 (1 d.p.), 1.94 (2 d.p.)
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13. What is 28,645 rounded to 1 significant figure?

- A) 20,000
 - B) 28,600
 - C) 30,000
 - D) 29,000
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14. What is 41,909 rounded to 3 significant figures?

- A) 40,909
 - B) 42,000
 - C) 41,900
 - D) 40,000
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15. What is 4.5568 rounded to 3 significant figures?

- A) 4.57
 - B) 4.55
 - C) 4.6
 - D) 4.56
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16. The weight of a tree is 144 kilograms, rounded to the nearest kilogram.
What are the correct upper and lower bounds for the tree's weight?

- A) Lower bound: 144 kg, Upper bound: 144.5 kg
- B) Lower bound: 144.1 kg, Upper bound: 144.5 kg

- C) Lower bound: 144 kg, Upper bound: 145 kg
D) Lower bound: 143.5 kg, Upper bound: 144.5 kg
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17. What are the correct lower and upper bounds for 45 rounded to the nearest integer?

- A) Lower bound: 44.5, Upper bound: 45.5
B) Lower bound: 44, Upper bound: 46
C) Lower bound: 45, Upper bound: 45.5
D) Lower bound: 44, Upper bound: 45
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18. What are the correct lower and upper bounds for 12.6 rounded to 1 decimal place?

- A) Lower bound: 12.55, Upper bound: 12.75
B) Lower bound: 12.5, Upper bound: 12.7
C) Lower bound: 12.55, Upper bound: 12.65
D) Lower bound: 12.6, Upper bound: 12.7
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19. What are the correct lower and upper bounds for 4.23 rounded to 2 decimal places?

- A) Lower bound: 4.215, Upper bound: 4.225
B) Lower bound: 4.225, Upper bound: 4.235
C) Lower bound: 4.22, Upper bound: 4.24
D) Lower bound: 4.21, Upper bound: 4.23
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20. Given $a=5$ and $b=2$, find the lower bound of $a +$ lower bound of b .

- A) 6.5
B) 6
C) 7

D) 7.5

21. The length of a school football field is 324.5 meters and the width is 84.7 meters. What is the **upper** and **lower bounds** for the area of the football field.

A) 27,437.423 and 27,543.735

B) 27,464.6925 and 27,505.6125

C) 27,464.6925 and 27,505.6214

D) 27,463.6925 and 28,403.7283

