

# Exercises on Rounding of Whole Numbers & Decimal Fractions



Tutoring Centre Ferndale

## Procedures for Rounding

Rounding is the process of approximating a number to a specific place value. Here are the basic rules:

1. Identify the place value to which you want to round.
2. Look at the digit immediately to the right of this place value.
3. If this digit is 5 or greater, add 1 to the digit in the rounding place and change all digits to the right of it to zero.
4. If this digit is less than 5, keep the digit in the rounding place the same and change all digits to the right of it to zero.
5. For decimal fractions, drop all digits to the right of the rounding place after applying the rules above.

## Questions

1. Round 234 to the nearest ten.
2. Round 1,567 to the nearest hundred.
3. Round 9,842 to the nearest thousand.
4. Round 678 to the nearest hundred.
5. Round 53 to the nearest ten.
6. Round 3.456 to the nearest whole number.
7. Round 7.89 to the nearest whole number.
8. Round 0.567 to the nearest tenth.
9. Round 4.321 to the nearest tenth.
10. Round 2.3456 to the nearest hundredth.
11. Round 4,321 to the nearest thousand.
12. Round 67,890 to the nearest ten thousand.
13. Round 1,234,567 to the nearest million.
14. Round 987,654 to the nearest hundred thousand.
15. Round 45,678 to the nearest ten thousand.
16. Round 6.789 to the nearest whole number.
17. Round 5.4321 to the nearest tenth.
18. Round 9.8765 to the nearest hundredth.
19. Round 1.234 to the nearest tenth.
20. Round 7.6543 to the nearest thousandth.
21. Round 23.456 to the nearest whole number.
22. Round 12.345 to the nearest tenth.

23. Round 56.789 to the nearest hundredth.
24. Round 34.5678 to the nearest thousandth.
25. Round 89.123 to the nearest whole number.
26. Round 7,654 to the nearest hundred.
27. Round 8.765 to the nearest whole number.
28. Round 1,234 to the nearest thousand.
29. Round 0.876 to the nearest tenth.
30. Round 9,876 to the nearest hundred.
31. Round 4,567.89 to the nearest whole number.
32. Round 3.4567 to the nearest tenth.
33. Round 2,345.67 to the nearest hundred.
34. Round 1.2345 to the nearest hundredth.
35. Round 987.65 to the nearest ten.
36. Round 123,456.789 to the nearest thousand.
37. Round 45,678.901 to the nearest hundred.
38. Round 567.8901 to the nearest tenth.
39. Round 3.14159 to the nearest thousandth.
40. Round 2.71828 to the nearest hundredth.
41. Round 1,999.999 to the nearest whole number.
42. Round 4,999.999 to the nearest thousand.
43. Round 7,777.777 to the nearest hundred.
44. Round 123.4567 to the nearest tenth.
45. Round 9,876.54321 to the nearest whole number.

- 46. Round 654,321.987 to the nearest thousand.
- 47. Round 876.543 to the nearest ten.
- 48. Round 5.6789 to the nearest tenth.
- 49. Round 1,234.5678 to the nearest hundred.
- 50. Round 3,456.789 to the nearest thousand.