



## Estimation in Mathematics

### A. Choose the Correct Answer:

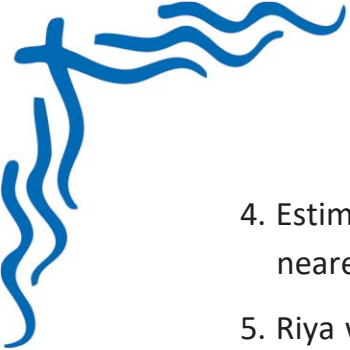
- What is the estimated sum of 481 and 349 to the nearest hundred?  
a) 800                                      b) 900  
c) 700                                      d) 850
- Which of the following numbers rounds to 500 when rounded to the nearest hundred?  
a) 450                                      b) 549  
c) 399                                      d) 600
- Rounding 8,745 to the nearest thousand gives:  
a) 9,000                                      b) 8,000  
c) 8,500                                      d) 7,000
- The best estimate of the difference between 6,784 and 2,123 is:  
a) 4,600                                      b) 4,700  
c) 4,800                                      d) 5,000
- Rounding off is useful in:  
a) Writing long numbers                      b) Calculations with high accuracy  
c) Getting exact answers                      d) Quick approximations

### B. Write the Missing Terms to Complete the Sentences:

- The estimated product of 39 and 21 when rounded to nearest ten is \_\_\_\_\_.
- Rounding 6,127 to the nearest thousand gives \_\_\_\_\_.
- 749 rounded to the nearest hundred is \_\_\_\_\_.
- Estimation helps in \_\_\_\_\_ calculation of large numbers.
- While estimating the sum of 4,874 and 3,243 to the nearest thousand, we get \_\_\_\_\_.

### C. Figure out the answers to these questions:

- Estimate the total cost of three notebooks priced at ₹47, ₹53, and ₹62 respectively.
- A shopkeeper sells 97 pencils, 112 erasers, and 89 pens in a day. Estimate the total number of items sold.
- A truck carries 4,895 kg of load. Round the weight to the nearest hundred and nearest thousand.



4. Estimate the difference between 8,630 and 3,145 by rounding both to the nearest hundred.
5. Riya walked 738 meters on Monday and 824 meters on Tuesday. Estimate the total distance she walked in two days.
6. A TV costs ₹28,749. Estimate its cost to the nearest thousand.
7. The school has 798 students. If we estimate the number to the nearest hundred, how many students are there approximately?
8. Estimate the product of 94 and 67 by rounding off both numbers to the nearest ten.

**D. Mark each sentence with a True (✓) or False (X):**

1. Rounding off means finding the exact number.
2. 3,499 rounded to the nearest thousand is 3,000.
3. Estimation is helpful in checking the correctness of answers.
4. The estimated value is always greater than the actual value.
5. Rounding off 1,299 to the nearest hundred gives 1,300.

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**E. Challenge yourself with these questions:**

1. Estimate and compare: Is the estimated sum of 3,456 and 6,541 greater than 10,000?
2. Dev bought 5 items for ₹199 each. Estimate the total cost by rounding off.
3. Using estimation, check whether  $492 + 618$  is closer to 1,000 or 1,200.
4. **Estimate the product:** A carton has 47 boxes, and each box has 38 chocolates.
5. Create a real-life scenario where rounding off is used and explain how estimation helps.
6. A fruit seller has 1,187 apples. Estimate how many he would say he has when asked roughly.
7. **Round the following numbers to the nearest 10, 100, and 1,000:** 678, 4,823, and 1,249.
8. Write a small story problem that involves estimating the sum or difference of two numbers.