ESTIMATING THE SUM AND THE DIFFERENCE

Example 1. Find the actual and estimated sum of 380419 and 218765 by rounding off to the nearest lakh.

Solution.

Actual Sum	Estimated Sum
380419	400000
+218765	+200000
599184	600000

Example 2. Find the actual and estimated difference of 832910 and 590100 by rounding off to the nearest lakh.

Solution.

Actual Difference	Estimated Difference
832910	800000
− 590100	− 600000
242810	200000

Questions

1) Find the actual and estimated sum by rounding off to the nearest lakh.

Solution.

Actual Sum	Estimated Sum
280125	
+128509	_____
_____	_____

2) Find the actual and estimated difference by rounding to the nearest lakh.

Solution.

Actual Difference	Estimated Difference
527319	
− 285103	_____
_____	_____

ESTIMATING THE PRODUCT AND THE QUOTIENT

Example 1. Find the actual and estimated product of 1235 x 893. [By
rounding off to the nearest hundred]

Solution.

Actual Product	Estimated Product
1 2 3 5	1 2 0 0
x 8 9 3	x 9 0 0
3 7 0 5	1 0 8 0 0 0 0
1 1 1 1 5 0	
9 8 8 0 0 0	
1 1 0 2 8 5 5	

Example 2. Estimate the quotient: 1985 ÷ 175. [By rounding off to the
nearest hundred]

Solution.   1985 ÷ 175 rounds to 2000 ÷ 200
To solve this, we think of 20 ÷ 2
∴ The estimated quotient = 10

$$\begin{array}{r} 10 \\ 2{\overline{)}\ 20} \\ -20 \\ \hline 0 \end{array}$$

Questions

1) Estimate the product: 5918 x 310 [By rounding off to the nearest
hundred]

2) Estimate the quotient: 1825 ÷ 271 [By rounding off to the nearest
hundred]

☺ **ALL THE BEST** ☺