

Exercise-3H

Q.1) Estimate the following by rounding off to the nearest 10

i) Since ones digit in 837 is 7, we round it off as 840.

ii) Since ones digit in 1241 is 1 we round it off as 1240.

iii) Since ones digit in 8345 is 5 we round it off as 8350.

iv) Since ones digit in 6782 is 2 we round it off as 6780.

Q2. Estimate the following by rounding off to the nearest 100.

i) Since tens digit in 887 is 8 we round it off as 900.

ii) Since tens digit in 3215 is 1 we round it off as 3200.

iii) Since tens digit in 8432 is 3 we round it off as 8400.

iv) Since tens digit in 3245 is 4 we round it off as 3200.

Q 3. Estimate the following off to the nearest 100.

i) Since tens digit in 3532 is 3 we round it off as 3500

ii) Since tens digit in 4442 is 4 we round it off as 4400.

iii) Since tens digit in 7691 is 9 we round it off as 7600.

iv) Since tens digit in 3219 is 1 we round it off as 3200.

ANS. Magic show attended on Friday

Saturday and Sunday

1356, 2518 and 3186 respectively

Rounding off to nearest 100, we get 1400, 2500 and 3200

$$\therefore 1400 + 2500 + 3200 = 7100$$

$$\text{Actual sum} = 1356 + 2518 + 3186 = 7060$$

$$\text{The difference} = 7100 - 7060 = 40$$

1	1	2	
1	3	5	6
2	5	1	8
3	1	8	6
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7	0	6	0
1			
1	4	0	0
+	2	5	0
	3	2	0
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7	1	0	0

9.Q) The classes I, II and III of a school have 2348, 3183, and 2891 students respectively. Estimate the total number of students of students of these classes by rounding off to the nearest 100.

Ans. Number of students in classes I, II and III are 2348, 3183 and 2801 respectively

$$\begin{array}{r} 1 \\ 2300 \\ 3200 \\ \underline{2900} \\ 8400 \end{array}$$

Sum to the nearest 100

Rounding off to nearest 100, we get 2300, 3200 and 2900

$$\therefore 2300 + 3200 + 2900 = 8400$$