# Chapter- 2

# ESTIMATION

Main Concepts and Results

Rounding off to nearest ten, hundred and thousand.

Rules for Rounding

If the number you are rounding is followed by 5, 6, 7, 8, or 9, round the number up.

Example: 38 rounded to the nearest ten is 40. ...

If the number you are rounding is followed by 0, 1, 2, 3, or 4, round the number down.
Example: 33 rounded to the nearest ten is 30.

## Estimation

Estimation involves approximating a quantity to an accuracy required.

## Rules of Estimation

Estimating numbers to the nearest tens is done by rounding off numbers 1, 2, 3 and 4 to 0 and number 6, 7, 8, 9 to 10.

Estimating numbers to the nearest hundreds is done by rounding off numbers 1 to 49 to 0 and numbers 51 to 99 to 100.

Estimating numbers to the nearest thousands is done by rounding off numbers 1 to 499 to 0 and the numbers 501 to 999 to 1000.

We can estimate Sum, difference and Multiplication by applying the rules of estimation also.

We can apply the rules of estimation depending on the accuracy required and how quickly answer can be find out.

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