Chapter 3: Data Handling, Class 6

## CLASS NOTES

## Median

Median refers to the value that lies in the middle of the data (when arranged in ascending or descending order)

When number of observations is odd,
Median = Middle observation

Example: 12, 15, 14, 13, 16, 18, 19
Ascending order: $12,13,14,15,16,18,19$
Number of observations $=7$ (odd)
Median = middle observation

$$
=15
$$

When number of observations is even,

$$
\text { Median }=\frac{\text { Sum of the pair of middle observations }}{2}
$$

Example: 12, 15, 14, 13, 16, 18, 19, 17

$$
\text { Ascending order: } 12,13,14,15,16,17,18,19
$$

Number of observations $=8$ (even)

$$
\begin{aligned}
\text { Median } & =\frac{\text { Sum of the pair of middle observations }}{2} \\
& =\frac{15+16}{2} \\
& =\frac{31}{2} \\
& =15.5
\end{aligned}
$$

