

Worksheet 2 |

Lower Secondary
Stage (6-8)

1st Semester | 2023-2024

Subject: Math

Chapter: 1

Objectives:

- To revise significant figures

Q1)

Indicate how many significant figures there are in each of the following measured values.

246.32 _____	1.008 _____	700000 _____
107.854 _____	0.00340 _____	350.670 _____
100.3 _____	14.600 _____	1.0000 _____
0.678 _____	0.0001 _____	320001 _____

Q2)

Determine the number of significant figures in each of the following:

- | | | |
|----------------|--------------|---------------|
| a) 6.571 g | f) 30.07 g | k) 54.52 cm |
| b) 0.157 kg | g) 0.106 cm | l) 0.12090 mm |
| c) 28.0 ml | h) 0.0067 g | m) 2.690 g |
| d) 2500 m | i) 0.0230 cm | n) 43.07 cm |
| e) 0.0700000 g | j) 26.509 cm | |

Q3)

Round 742,396 to four, three, and two significant digits:

- a) four significant digits _____
- b) three significant digits _____
- c) two significant digits _____

- Q4)** Round 231.45 to four, three, and two significant digits:
- a) four significant digits _____
 - b) three significant digits _____
 - c) two significant digits _____

- Q5)** Round the following numbers to 2 significant figures.
- a. 9.9099 m _____
 - b. 0.9090 m _____
 - c. 0.0909 m _____

- Q6)** Round the following numbers to the given degree of accuracy.

NUMBER	Nearest one	To 1dp	To 2dp
9.284	9	9.3	9.28
8.477	8		8.48
0.716		0.7	
10.295			
2.186			
8.907			
0.562			
1.381			
8.962			
12.634			
2.645			
0.0872			
0.9983			
8.871			
4.2937			
15.717			
1.3814			
20.829			
7.14387			
41.184			
9.54892			
0.9841			