

# MATHEMATICS PROJECT

## CLASS: 7

### TO BE ATTEMPTED BY THE ODD NUMBERED ROLL NUMBERS OF CLASS 7B

#### TOPIC: CALCULATION OF PERCENTAGE

**OBJECTIVE:** To identify the need of application of percentage in day to day life

**PRE-ACQUIRED KNOWLEDGE:** The students are expected to generally define percentage. Hence, they should be able to write the formula of percentage.

#### PREPARATION:

1. To tabulate the subject wise marks of 5 students in the evaluation for the year 2015 – 2016.

#### APPROPRIATE COMPUTATION, CONSTRUCTION AND/OR MEASUREMENT WITH CORRECT UNITS:

1. To calculate the percentage of aggregate marks obtained and percentage of marks obtained in Mathematics as the subject.

#### PRESENTATION:

Serial Number	Name	ENGLISH	2 <sup>ND</sup> LANGUAGE	HCG	MATHS
1	Aditya Rai	45	13	25	47
2	Sneha Basu	48	47	45	45
3	Akash Chetri	37	48	77	48
4	Veer Mehta	68	49	78	49
5	Kyle Mendonca	73	51	79	51
6	Arjun Kalawat	75	54	80	3
7	Sekhar T.	77	65	80	12
8	George Michael George	79	25	15	4
9	Arjun Prasad	46	49	39	79
10	Sekhar Choudhury	51	44	49	45

To present the data so collected in the charts/tables enclosed.

Name of the student	ENGLISH	2 <sup>ND</sup> LANG	SOCIAL STUDIES	MATHEMATICS	TOTAL MARKS	% of MARKS OBTAINED IN AGGREGATE	% contribution in Mathematics

**Percentage of marks obtained in aggregate =**

**Percentage of marks obtained in mathematics =**

**APPLICATIONS:**

To cite at least 2 applications in daily life where you can use the concept of percentage.

**TO BE ATTEMPTED BY THE EVEN NUMBERED ROLL NUMBERS OF CLASS 7B**

**TOPIC: CALCULATION AND REPRESENTATION OF FRACTIONS IN TERMS OF PERCENTAGES**

**OBJECTIVE:** To identify the need of application of fraction in day to day life

**PRE-ACQUIRED KNOWLEDGE:** The students are expected to generally define fraction. Hence, they should be able to represent any fraction in percentage.

**PREPARATION:**

1. You are being given a list of 30 students Roll Number wise and the marks obtained by them in the subjects as mentioned.

Serial Number	Roll Nos.	ENGLISH	2 <sup>ND</sup> LANGUAGE	HCG	MATHS
1	CL7/15-16/01	45	13	25	47
2	CL7/15-16/02	48	47	45	45
3	CL7/15-16/03	37	48	77	48
4	CL7/15-16/04	68	49	78	49
5	CL7/15-1/05	73	51	79	51
6	CL7/15-16/06	75	54	80	3
7	CL7/15-16/07	77	65	80	12
8	CL7/15-16/08	79	25	15	4
9	CL7/15-16/09	46	49	39	79
10	CL7/15-16/10	51	44	49	45
11	CL7/15-16/11	55	44	69	55
12	CL7/15-16/12	13	44	69	56
13	CL7/15-16/13	29	57	67	67
14	CL7/15-16/14	49	37	68	27
15	CL7/15-16/15	73	47	71	13
16	CL7/15-16/16	71	44	80	4
17	CL7/15-16/17	67	64	46	0
18	CL7/15-16/18	66	61	56	46
19	CL7/15-16/19	43	71	66	13
20	CL7/15-16/20	44	78	67	14
21	CL7/15-16/21	59	75	68	15
22	CL7/15-16/22	37	72	69	16
23	CL7/15-16/23	77	73	65	39
24	CL7/15-16/24	70	74	66	42
25	CL7/15-16/25	61	45	69	44
26	CL7/15-16/26	41	37	79	65
27	CL7/15-16/27	47	39	78	68

28	CL7/15-16/28	54	43	79	69
29	CL7/15-16/29	55	63	80	48
30	CL7/15-16/30	36	64	71	39
CLASS AVERAGE					
TOTAL OF ALL CLASS AVERAGES					

2. Calculate the class average for each subject
3. Represent each subject average as a fraction out of TOTAL OF ALL CLASS AVERAGES
4. Select any 5 students.
5. Represent their subject wise marks out of 80 in the form of proper fractions.
6. Hence find the percentage of marks obtained by each of these students in the relevant subjects.

### **APPLICATIONS:**

To cite at least 2 applications in daily life where you can use the concept of percentage.

