Girls' High School & College, Prayagraj

Session-2020-21

.   **Class 8 (A,B,C,D,E)**

Mathematics Project

Instructions : Parents are expected to ensure that the child goes through the examples given below and takes help of Class 7 and 8 books or internet to solve the questions. They can use any notebook or loose sheets for making the project.

Chapter - Percent and Percentage

1. To express a given number as percent, multiply by 100 and in the same step attach the percentage sign (%).

Example - 0.45 = 0.45 x 100% = 45%

2. To express a given percent into a fraction, divide by 100 and in the same step remove the sign of percentage.

Example- 45%= 45/100 = 9/20 (as a vulgar fraction) or 45%=45/100=0.45 (as a decimal fraction)

3. x as a percent of y = x/y x 100% and x % of y =x/100 x y

Example (i) 5 as a percent of 20 = 5/20 x 100% = 25%

4. (i) Increase % = increase in quantity/original quantity x 100%

(ii) Decrease % = decrease in quantity / original quantity x 100%

SOLVE THE FOLLOWING QUESTIONS

Q1. 42 is 8.4% of a certain number, find the number.

Q2. Find 25% of 120kg

Q3. 45 is what percent of 54

Q4. A number is increased from 100 to 125 find the percentage increase.

Q5. A spends 87% of his salary, if he saves Rs. 325; find his salary.