



IMPORTANT QUESTIONS FOR SECTION C

IX GENERAL MATHEMATICS

1. Find the solution set of the equations: $x+y=4, 2x-y=5$
2. Measure of the sizes (in decimeters) of 100 scouts are given below. Find the A.M of their sizes

Measure of sizes	8-10	10-12	12-14	14-16
No. of scouts	5	18	42	27

3. Solve the following, then convert into Decimal System, multiply and thus check your answer.

(i) $243_5 \times 2_5$

(ii) $342_5 \times 43_5$

4. Find $A \times B, B \times A, A \times A$ and $B \times B$ when (i) $A = \{1,2\}, B = \{4,6,8\}$

(ii) $A = \{a, b\}, B = \{0, -1\}$

(iii) $A = \{1\}, B = \{x, y, z, s\}$

Is $A \times B = B \times A$?



5. Answers the following questions using the given table:

Marks Obtained	No. of Students
1 to 15	5
16 to 30	23
31 to 45	18
46 to 60	11
61 to 75	3

- (i) How many class-intervals are there?
 - (ii) What is the lower limit in the interval (16 to 30)?
 - (iii) What is the class frequency of (46 to 60)?
 - (iv) What is the number of students securing marks from 31 to 60?
 - (v) What is the magnitude of class-interval (16 to 30)?
 - (vi) What is the upper limit of class-interval having 18 as class frequency?
 - (vii) What is the number of students securing marks from 15 to 16?
 - (viii) What is the magnitude of class-interval?
 - (ix) In which class-interval is the least number of students?
 - (x) How many students secure marks from 1 to 75?
6. A train covers the distance between two cities in 4 hours and 12 minutes at the speed of 30,000 meters per hour. What time would it take to cover the same distance if the train runs at the speed of 28,000 meters per hour?
7. A person sends a motor car from outside Pakistan. He paid 21,000 rupees for it upto Karachi. On the amount he had to pay 80% as custom duty and a sum of 1425 rupees as insurance. Find the total inland price of the motor car.