

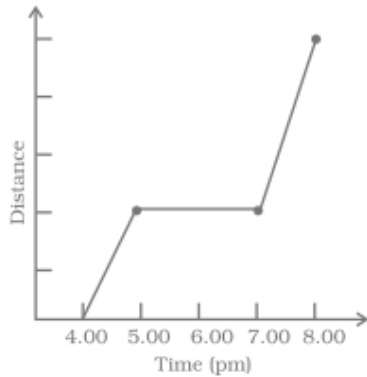
# SATISH CHANDRA MEMORIAL SCHOOL

## CLASS TEST

### INTRODUCTION TO GRAPHS

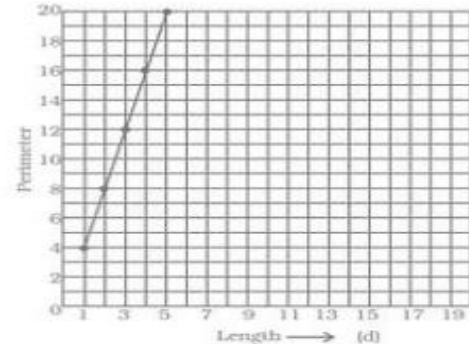
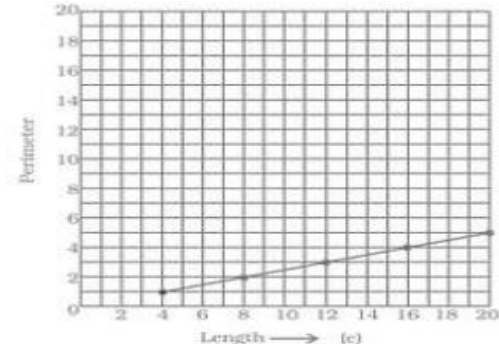
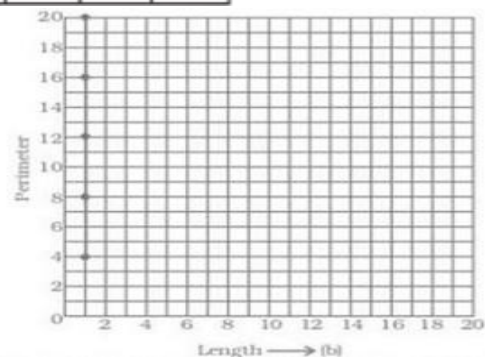
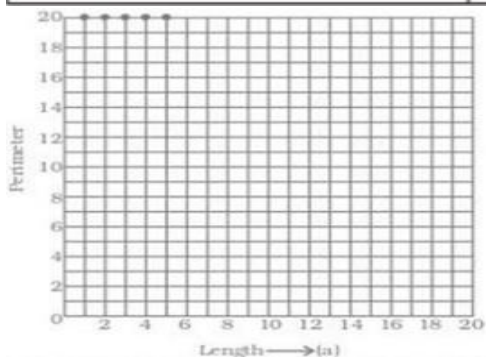
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1. The given graph shows Nisha's trip to a mall by a car. Observe the graph carefully and find what was she doing between 5 pm and 7 pm? 1

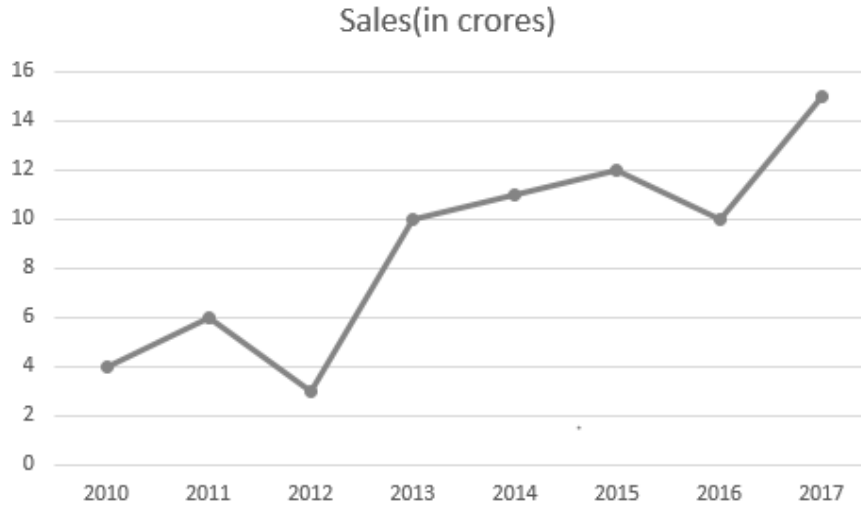


- a) Driving to the mall. b) Driving back home.  
 c) Was not driving. d) Not enough data to answer.
2. Every point on the x axis is of the form. 1
- a)  $(0, y)$   
 b)  $(x, 0)$   
 c)  $(x, y)$   
 d)  $(x, 1)$
3. Which graphs of the following represent the table below? 1

| Length of Side of a Square | 1 | 2 | 3  | 4  | 5  |
|----------------------------|---|---|----|----|----|
| Perimeter                  | 4 | 8 | 12 | 16 | 20 |



4. From the below graph answer the following questions:



- i) What were the sales in 2015 & 2017? **2**
- ii) Compute the difference between the sales in 2012 and 2016. **1**
- iii) In which year was there the greatest difference between the sales as compared to its previous year? **1**
5. The number of students in Trooper coaching institute during last 8 years is given below. Represent this data on the Line graph. **5**

| Years              | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|--------------------|------|------|------|------|------|------|------|
| Number of Students | 100  | 120  | 95   | 130  | 85   | 160  | 100  |