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# DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

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## TEST - PAPER (CBSE/NCERT)

# INTRODUCTION TO GRAPH

## SESSION -2024-25

## CLASS - 8th

## JOIN TODAY FOR ADVANCE CONCEPTS

## ONLY IN ₹1000 PER MONTH

**MRP: ₹ 100/- ONLY**

## ALSO, BASIC CONCEPTS CLASSES IN SUMMER VACATION Apr, May & Jun (Every Year)

Add: Block -B, Near Glory Villa, 60 feet Road (Nearest land mark Scindia Statue), Shatabdipuram, Gwalior

Time: 1 hr — Introduction to graphs :- mm!

Q.1 Draw the graph: Cost of apples

| Number of Apples | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Cost (in ₹) | 5 | 10 | 15 | 20 | 25 |

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Q.2. Distance travelled by a car graph:

| Time (in hours) | 6 am | 7 am | 8 am | 9 am |
|---|---|---|---|---|
| Distance (in km) | 40 | 80 | 120 | 160 |

(i) How much distance did the car cover during the period 7:30 am to 8:00 am?

(ii) What was the time when the car had covered a distance of 100 km since its start?

Q.3. Intrest on deposits for a year:

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| Deposit (in ₹) | 1000 | 2000 | 3000 | 4000 | 5000 |
|---|---|---|---|---|---|
| SI (in ₹) | 80 | 160 | 240 | 320 | 400 |

(i) Does the graph pass through the origin?

(ii) Use the graph to find the interest on ₹ 2500 for a year

(iii) To get an interest of ₹280 per year, how much money should be deposited?

Q.4. Draw a graph for the following:

| Side of square (in cm) | 2 | 3 | 3.5 | 5 | 6 |
|---|---|---|---|---|---|
| Perimeter (in cm) | 8 | 12 | 14 | 20 | 24 |

Is it a linear graph.

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Q.5. Draw a graph for the following:

| Side of square (in cm) | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| Area (in $cm^2$) | 4 | 9 | 16 | 25 | 36 |

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