

St. Andrews Scots School

Adjacent Navniti Apartment

I.P. Extension, Patparganj, Delhi – 110092

Session: 2025 - 2026

Class: VIII	Subject: Mathematics	Topic:Introduction to Graph	Worksheet-26
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Q1; Draw the graph representing the multiples of 3.

Q2; Draw the graph between area of circle and its radius.

Q3; Express the relation of side of a square and area of a square as a function and plot the graph.

Q4; Using the convention of signs write the quadrant in which the following co-ordinates lie

(i) $(-3, 4)$

(ii) $(5, 6)$

Q5; Mark the following points in the graph paper

(i) $P(-4, 3)$

(ii) $Q(0, -5)$

Q6; Draw the graph between simple interest versus time when the principal is 5000 and the rate of interest 5% per annum.

Q7; Draw the graph of simple interest on Rs 100 at the rate of 5% per annum.

Q8; The following table gives the quantity of petrol and its cost. Plot a graph to show the data

No. of Litres of petrol	10	15	20	25
Cost of petrol in ₹	500	750	1000	1250

Q9;Ajit can ride a scooter constantly at a speed of 30kms/hour .Draw a time – distance graph for this situation.use it to find

- (i)the time taken by Ajit to ride 75 km.
- (ii)the distance covered by Ajit in 3 hours.

Q10;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?

