

Year 7 Knowledge Organiser -

Sequences and Graphs

Key Vocabulary

Sequence - a particular order in which related terms follow each other

Triangular number – terms in which their dots can form equilateral triangles

Square number - a term multiplied by itself

Cube number - a term multiplied by itself twice

Coordinate - locates a position on the x and y axes

Quadrant - one of the four regions of the Cartesian plane bounded by the xaxis and y-axis

Parallel - two lines which are equidistant (never meet)

Intersection

= x and y = -x

y

5

3

2

1

-2

3-

-4

5+

points

-5

-4 -3

-2



Generate terms of a sequence from a term-to-term rule

Recognise and use sequences of triangular, square and cube numbers, simple arithmetic progressions.

Work with coordinates in all your quadrants.

Understand and use lines parallel to the axes, y=x and y=-x.

