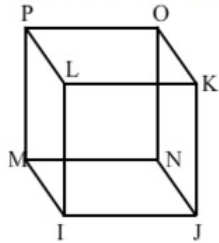


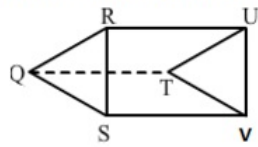


Exercise 19A

(iii) A cube has 12 edges, namely PL , LK , KO , OP , MN , NJ , JI , IM , PM , LI , ON and KJ .



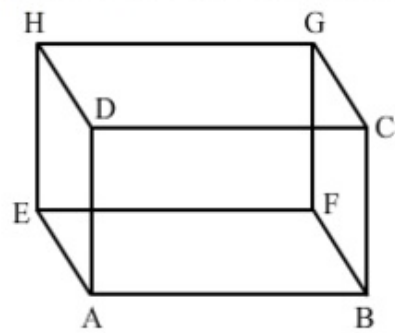
(iv) A triangular prism has 9 edges, namely QR , RS , QS , TU , TV , UV , QT , RU , and SV .



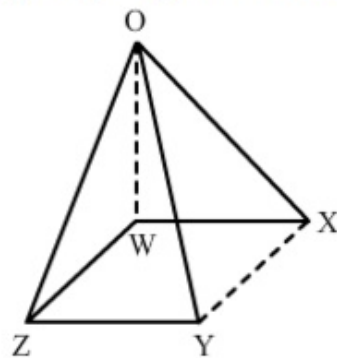
Q3.

Answer :

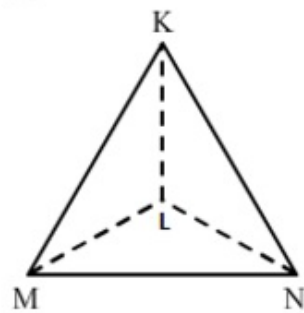
(i) A cuboid has 8 vertices, namely A, B, C, D, E, F, G and H .



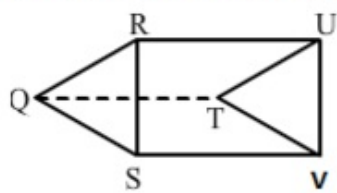
(ii) A square pyramid has 5 vertices, namely O, W, X, Y and Z .



(iii) A tetrahedron has 4 vertices, namely K, L, M and N .



(iv) A triangular prism has 6 vertices, namely Q, R, S, T, U and V .



Q4.

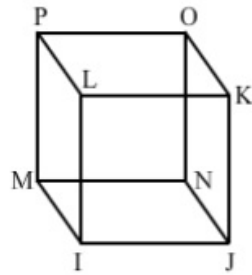
Answer :

(i) A cube has 8 vertices, 12 edges and 6 faces.

Vertices: *I, J, K, L, M, N, O* and *P*

Edges : *IJ, JN, NM, MI, PL, LK, KO, OP, PM, LI, KJ*, and *ON*

Faces : *MNJI, POKL, PLIM, OKJN, PONM* and *LKJI*



(ii) The point at which the three faces of a figure meet is known as its vertex.

(iii) A cuboid is also known as a rectangular cube.

(iv) A triangular pyramid is called a tetrahedraon.

***** END *****