



Understanding Three Dimensional Shapes Ex 16.1 Q1

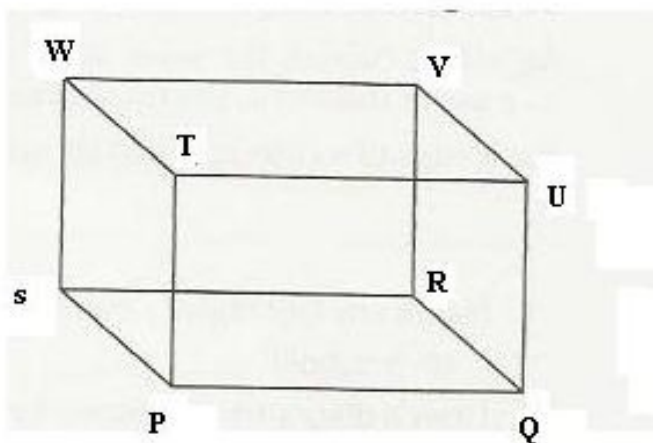
Answer :

- (i) A lunch box, a compass box, a book and a duster.
- (ii) A dice, a chalk box, a cubical cabin and a tissue box.

Understanding Three Dimensional Shapes Ex 16.1 Q2

Answer :

The diagram of a cuboid is shown below.



Faces -

PQRS (bottom)

TUVW (top)

TPQU (front)

WSRV (back)

TPSW (left)

UVRQ (right)

Edges -

PQ, QR, RS, SP

TU, UV, VW, WT

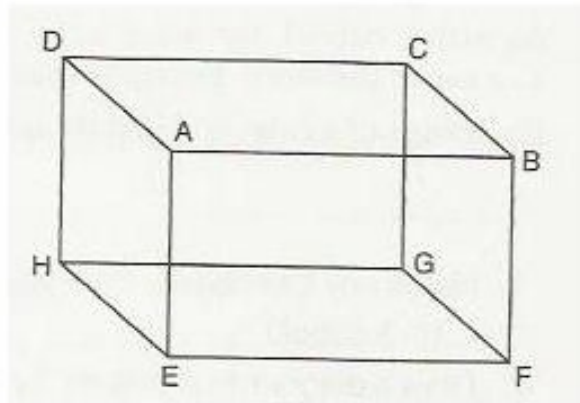
WS, SR, RV, VW

UV, VR, RQ, QU

Understanding Three Dimensional Shapes Ex 16.1 Q3

Answer :

The cube is shown below:



A cube has 6 faces and 12 edges.

Faces

ABCD, EFGH, BCGF, ADHE, ABFE and CDHG

Edges

AB, BC, CD, DA, EF, FG, GH, HE, BF, CG, AE and HD

Understanding Three Dimensional Shapes Ex 16.1 Q4

Answer :

$$AE = DH = BF = CG = l$$

$$EF = AB = CD = GH = b$$

$$FG = EH = AD = BC = h$$

Understanding Three Dimensional Shapes Ex 16.1 Q5

Answer :

Following are the lateral faces for the base EFGH:

AEHD, AEFB, BFGC, DHGC

AE or DH or BF or CG are the line segments representing the height of the cuboid.

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