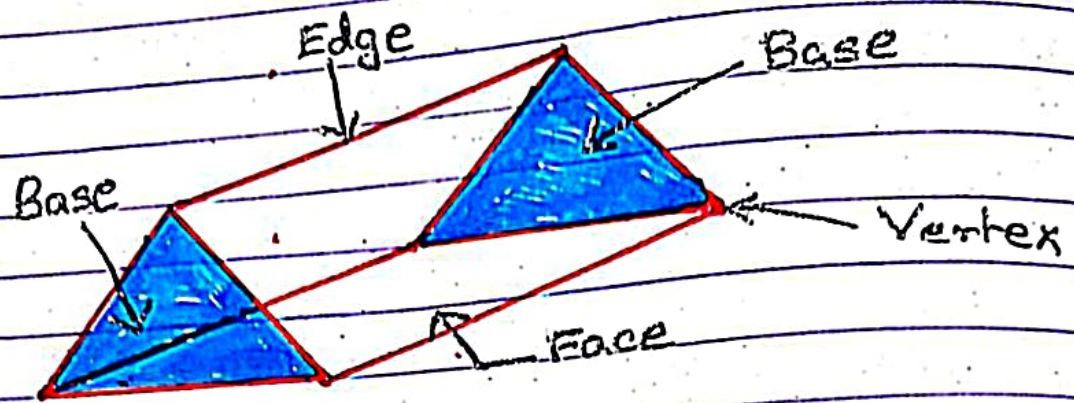


PRISM



Definition:- → A prism is a 3-D solid.
→ It has identical faces at both ends.
→ The other faces are flats.
→ A Prism is named after its base.

TYPES OF PRISMS:-

1) TRIANGULAR PRISM:- 2 identical (exactly same) triangular bases

Faces → 5

[2 Triangular + 3 rectangular]

Edges → 9

Vertices → 6

Ex → Camping tent.

2) SQUARE PRISM:- 2 identical square bases.

Faces → 6 [2 square + 4 rectangular]

Edges → 12

Vertices → 8

Ex - Square pillar magnets



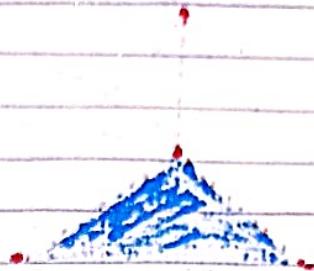
RECTANGULAR PRISM - All the Faces are rectangular.

Faces $\rightarrow 6$ [all rectangular]

Edges $\rightarrow 12$

Vertices $\rightarrow 8$

Ex- Bricks, tissue boxes



HEXAGONAL PRISM - 2 identical hexagonal bases

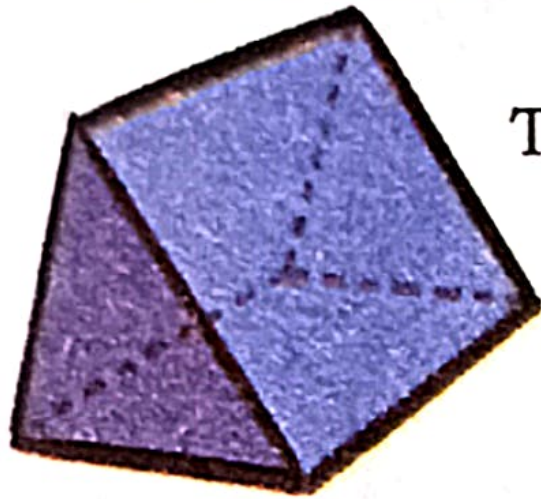
Faces - 8 [2 hexagonal + 6 rectangular]

Edges - 18

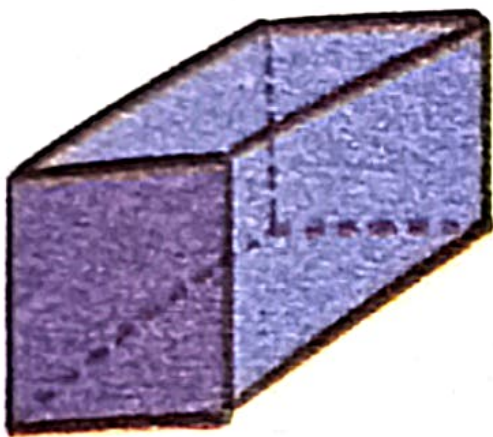
Vertices - 12

Ex- Hexagonal nuts, Honey comb

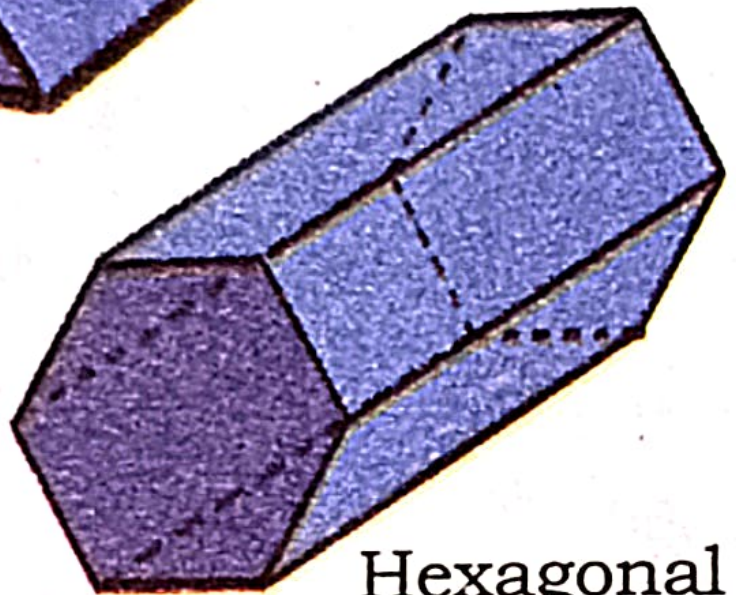
Prisms



Triangular
Prism



Square
Prism



Hexagonal
Prism

What shape of face is common to all the prisms? _____

What other shapes do these prisms have? _____

How many faces does each prism has ?
