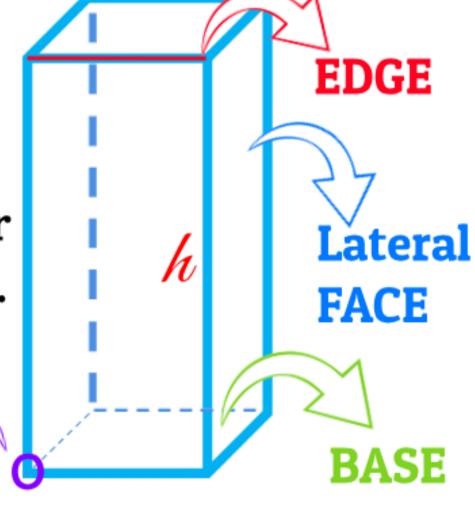


## PRISM

Is a polyhedron in which two of whose bases are parallel equal polygons with homologous sides parallel, and whose other faces are parallelograms.











Verte





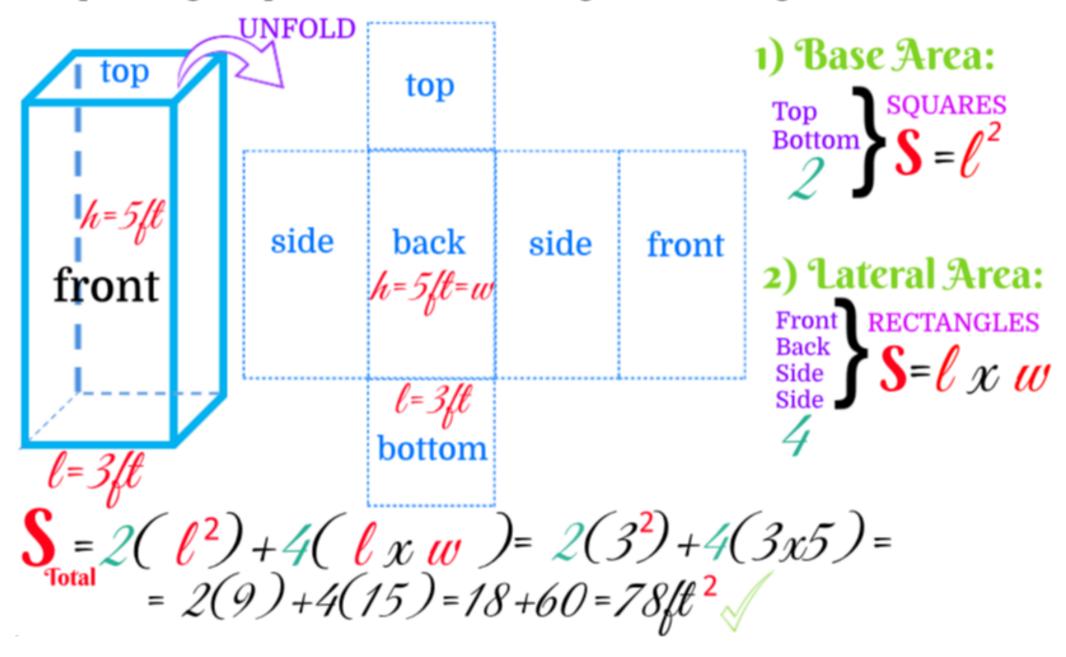
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To find the surface area of a prism:

- 1) Find the area of a base.
- 2) Find the area of a lateral face.
- 3) Add the two areas of the bases with the areas of the lateral faces.



## EXAMPLE: Find the total surface area of a quadrangular prism with 3ft base length and 5ft height:







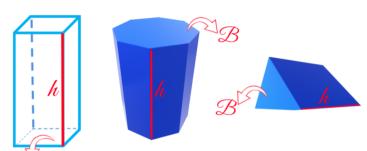


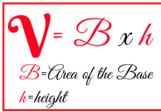






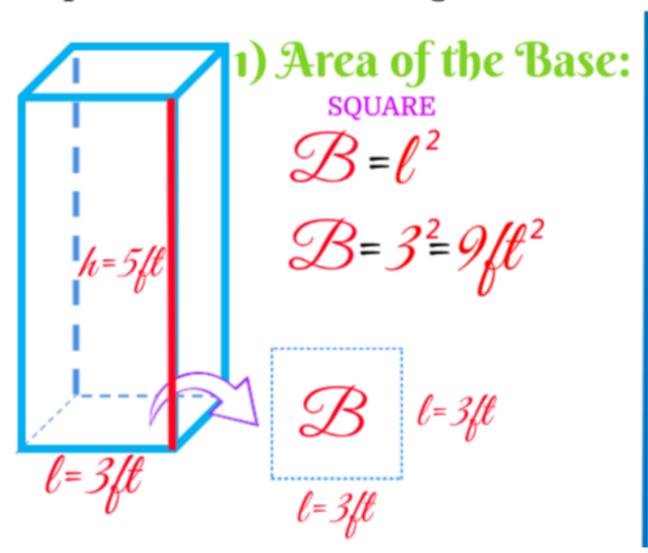
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EXAMPLE: Find the volume of a quadrangular prism with 3ft base length and 5ft height:



2) Volume:  

$$V = B x h$$

$$V = (9) x 5$$

$$V = 45 ft^{3}$$













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