Cubes and Rectangular Solids

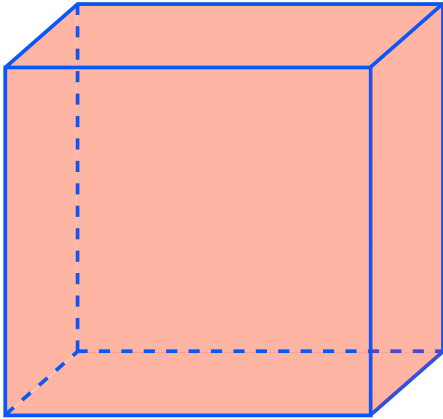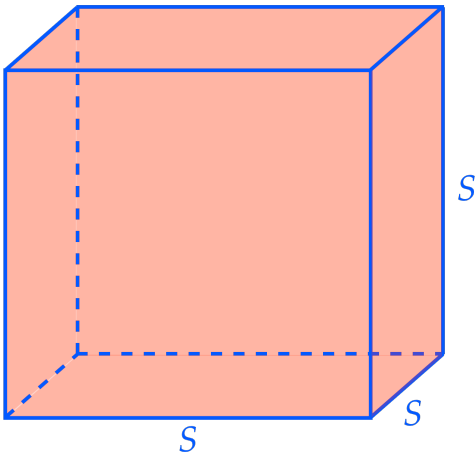## Cube

is a three-dimensional object with six square faces and all sides of equal length.

Cube

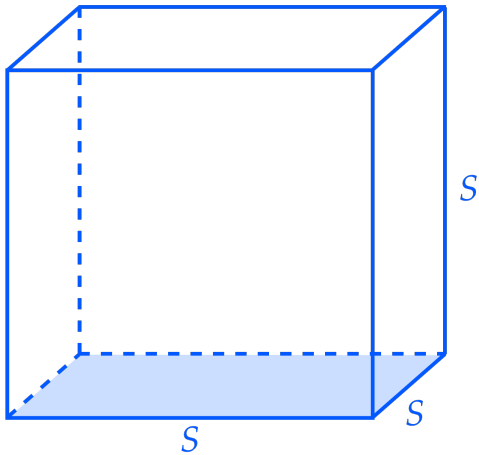is a three-dimensional object with six square faces and all sides of equal length.

Surface Area of a Cube

$$S.A. = 6 \cdot s^2$$

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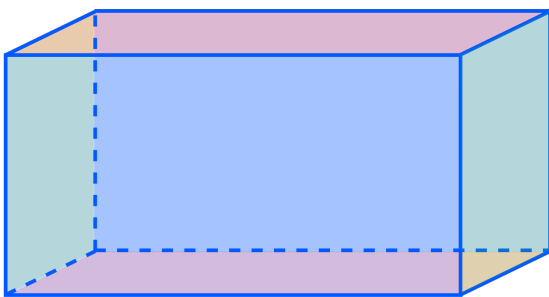
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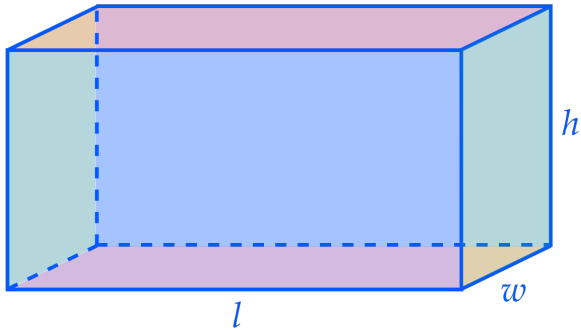
Volume of a Cube

$$V = s^2 \cdot s$$
$$V = s^3$$

Rectangular Solid

is a three-dimensional prism with a rectangular base.

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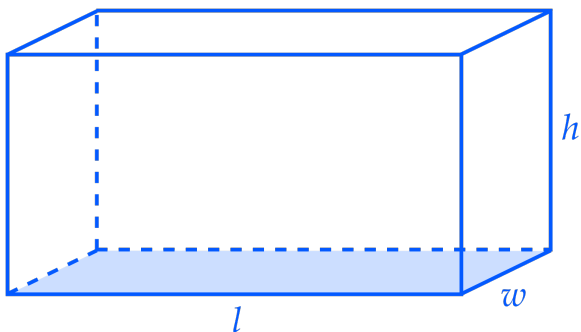
h

w

l

Surface Area of a Rectangular Solid

$$S.A. = 2 \cdot l \cdot w + 2 \cdot h \cdot w + 2 \cdot l \cdot h$$

Rectangular Solid

is a three-dimensional prism with a rectangular base.

h

w

l

Surface Area of a Rectangular Solid

$$S.A. = 2 \cdot l \cdot w + 2 \cdot h \cdot w + 2 \cdot l \cdot h$$

Volume of a Rectangular Solid

$$V = l \cdot w \cdot h$$