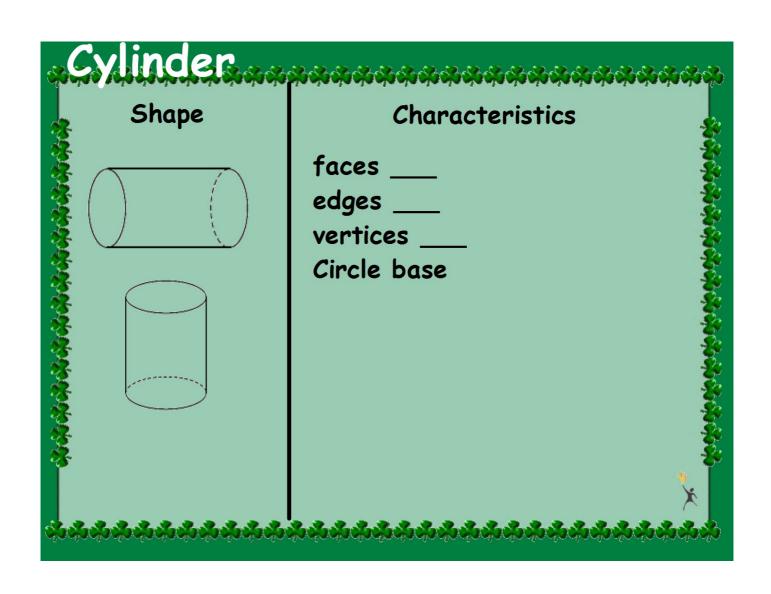


# Right Rectangular Prism Characteristics faces \_\_\_ # of sides on base + 2 edges \_\_\_ # of sides on base x 3 vertices \_\_\_ # of sides on base x 2 Polygon base Named by base 2 parallel, congruent bases

## Shape Characteristics faces \_\_\_ # of sides on base + 2 edges \_\_\_ # of sides on base × 3 vertices \_\_\_ # of sides on base × 2 Polygon base Named by base 2 parallel, congruent bases

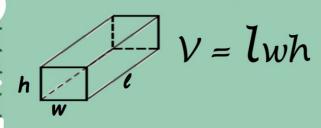


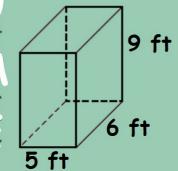
## Lets watch a short video about volume!

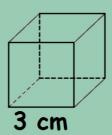




Volume of a rectangular prism equals the product of its length  $(\ell)$ , its width (w), and its height (h). Volume is expressed in \_\_\_\_ units.



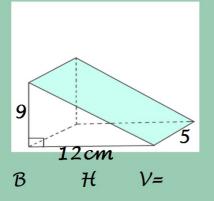


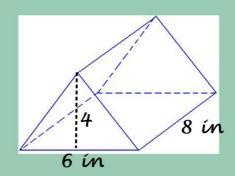




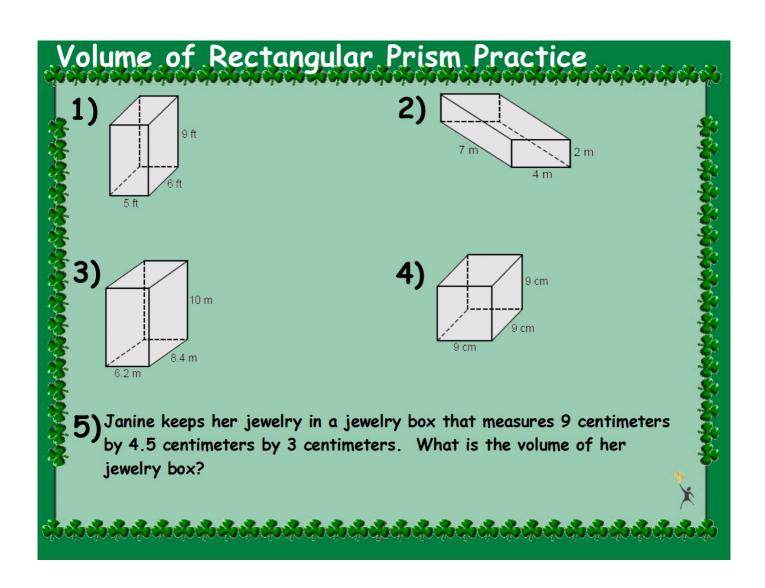
Volume of a rectangular prism equals the area of the base (B) times the height (H).

$$V = BH$$





$$\mathcal{B}$$
  $\mathcal{H}$   $\mathcal{V}=$ 



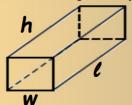


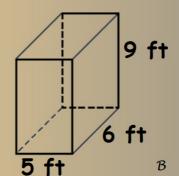
### Right Rectangular Prism

Surface Area of a rectangular prism equals the sum of the areas of its faces.

Surface Area is expressed in \_\_\_\_ units.

(aka: 2lw + 2lh + 2wh) for rectangular prisms





SA=

### Cubes

U

A

C

E

R

E

Surface Area is expressed in \_\_\_\_ units.

$$SA = 2B + Ph$$

(aka: 6s² for cubes)



3 cm

B P h SA=

### Triangular Prisms

SA = 2B + Ph

S

R

F

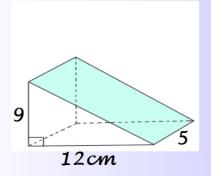
A

E

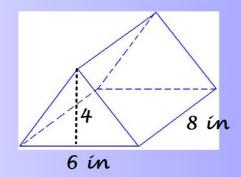
R

E

A

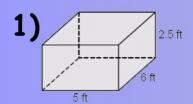


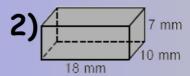
B P h SA=

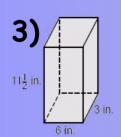


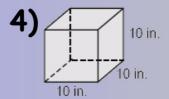
B P h SA=

### Surface Area of Rectangular Prism Practice









5) length,  $3\frac{1}{2}$ ft width,  $1\frac{1}{3}$ ft height,  $2\frac{1}{2}$ ft