

Volume = length  $\times$  width  $\times$  height

## Pizzazz D-67 (Notes)

$$\textcircled{H} V = l \cdot w \cdot h$$

$\downarrow \quad \downarrow \quad \downarrow$

$$V = 4 \times 2 \times 3$$

$$8 \times 3$$

$$V = 24 \text{ units}^3$$

$$\textcircled{E} V = l \times w \times h$$

$\downarrow \quad \downarrow \quad \downarrow$

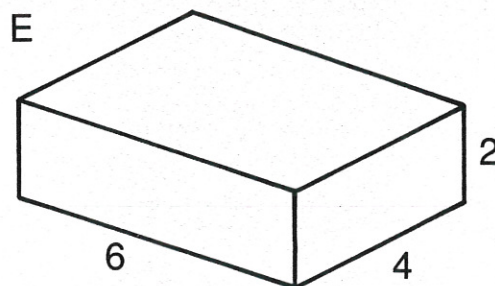
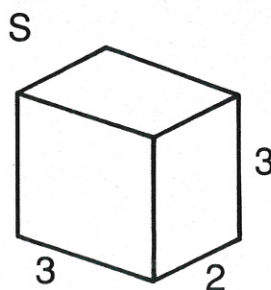
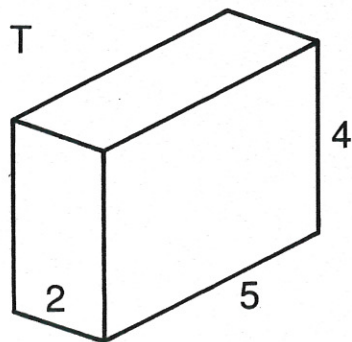
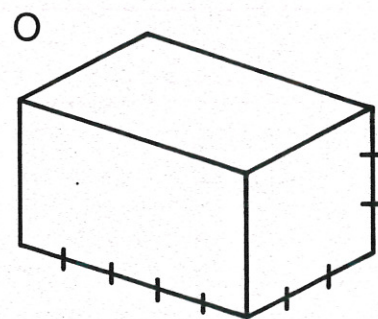
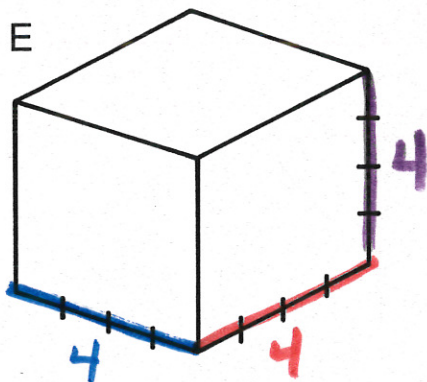
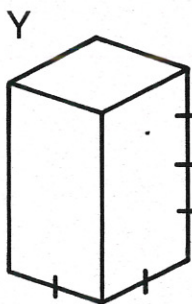
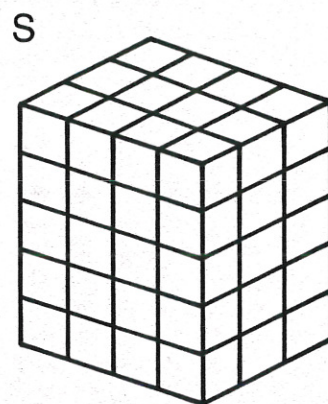
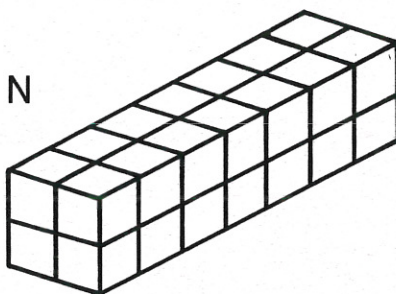
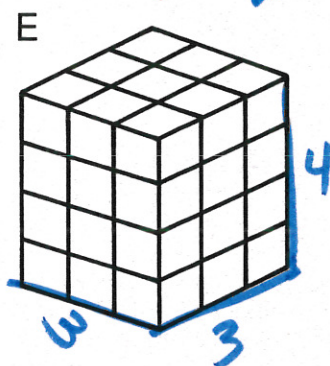
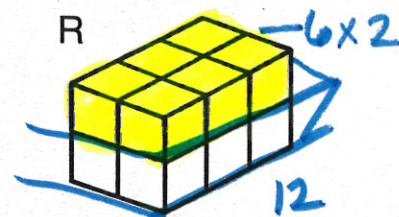
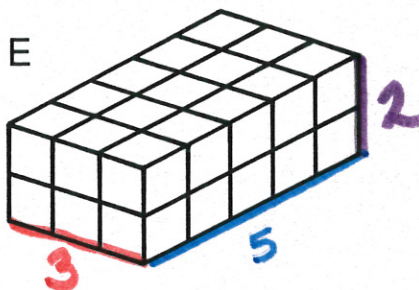
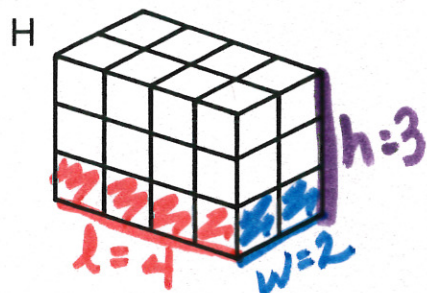
$$V = 3 \times 5 \times 2$$

$$15 \times 2$$

$$V = 30 \text{ units}^3$$

**Mystery:** What happened when a 6-year old, a 5-year old, a 4-year old, a 3-year old, and a 2-year old joined to form a basketball team?

Find the volume of each prism in cubic units. Write the letter of the exercise in the box containing the answer.



(L)  $l = 3; w = 7; h = 2$

(W)  $l = 4; w = 3; h = 6$

(E)  $l = 5; w = 5; h = 3$

40	24	36	16	32	72	64	12	48	80	45	28	75	42	30	60	18
	H															