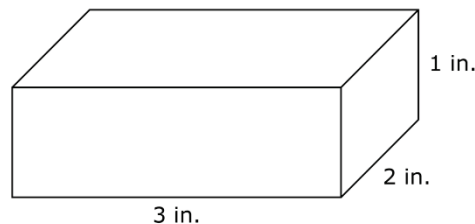


MAT.07.TE.1.0000G.F.286

Sample Item ID:	MAT.07.TE.1.0000G.F.286
Grade:	07
Claim(s):	Claim 1: Concepts and Procedures Students can explain and apply mathematical concepts and interpret and carry out mathematical procedures with precision and fluency.
Assessment Target(s):	1F: Solve real-life and mathematical problems involving angle measure, area, surface area, and volume. 1E: Draw, construct and describe geometrical figures and describe the relationships between them.
Cluster:	Geometry
Standard(s):	7.G.6
Mathematical Practice(s)	1, 4, 6
DOK:	2
Item Type:	TE
Score Points:	1
Difficulty:	M
Key:	4 prisms
Stimulus/Source:	
Target-Specific Attributes (e.g., accessibility issues):	Students with vision disabilities may have difficulty with this item.
Notes:	TE template: Tiling

Using the rectangular prism shown below, create a new prism with a **surface area** of between 44 square inches and 54 square inches.

Click on the prism and drag it to the work area. Then stack additional prisms vertically to create the new prism. The prism may be used more than one time.



Work Area:

Key and Distractor Analysis:

4 prisms should be stacked vertically.

TE Information:

Item Code: MAT.07.TE.1.0000G.F.286

Template: Tiling

A. Interaction

- i. Requires students to click on a prism and drag it to the work area
- ii. The prism may be selected up to 10 times.
- iii. The prism should not be able to rotate.

B. Interaction Space

- i. Prisms may be stacked vertically.
- ii. Dragged prisms should snap to figure in the work area so that it appears to be one figure.

Scoring Data:

{4 prisms stacked}
{0 errors = 1 point}