Grades: 4-6
Standards: MG 4.1.4, MG 5.1.3, MG 6.1.3
Objectives: Compare linear, planar, and spatial units. Find the volume of rectangular prisms.

Warm Up and Debrief
Create a three-column chart for note taking.
Label each column: Volume, Surface Area, and Perimeter of the Net.

Use linker cubes to construct a 3 unit ! 3 unit ! 3 unit cube. Let each linker cube represent a cube with a side of 1 cm.

Sketch the cube, label each dimension, and record the number of cubes used to build the shape in the first column.

Volume	Surface Area	Perimeter of the Net

$V = 27\ cm^3$

Record each face in the second column. Find the area of each face, add, and record the sum.

Volume	Surface Area	Perimeter of the Net

$V = 27\ cm^{cm}$

Introduce/review the formula V=Bh. Use a deck of cards to illustrate the concept. Use the formula to check the first two examples in your notes.

Warm-Up

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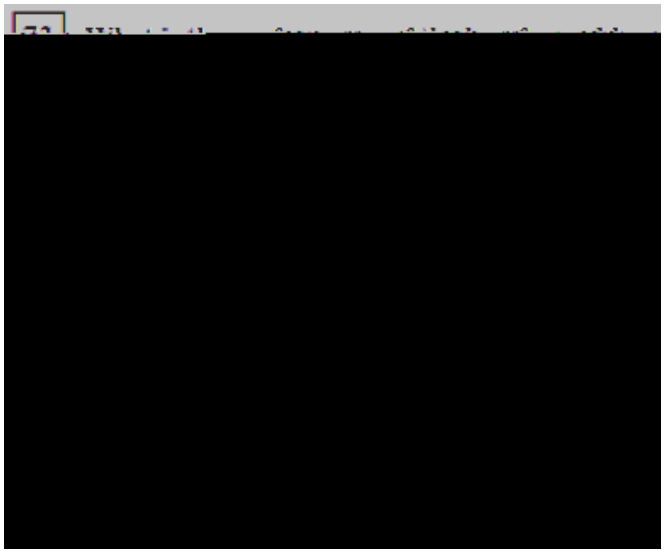
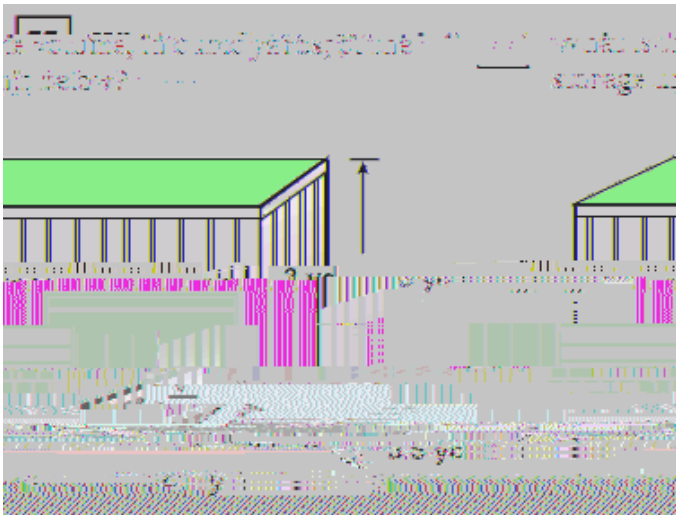
CST/CAHSEE: Grade 5 MG 1.2



*What is the perimeter of this net?

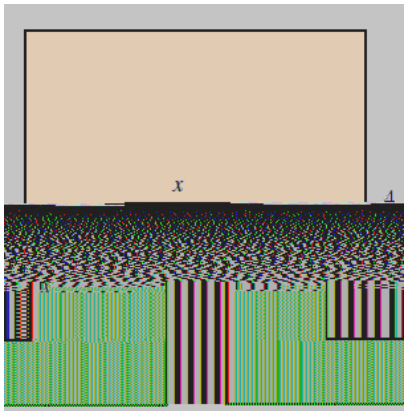
Review: Grade 5 MG 1.3



*Draw the net for this rectangular prism.

Current: Grade 6 AF 3.1

Write an expression describing the shaded region of the square.



*Make a function table to test *x* when it has values greater than 0 but less than 4.

Other: Grade 6 AF 3.2

How could you find the height of this rectangle if you knew its perimeter?

If the area is 185 in^2, what is P?