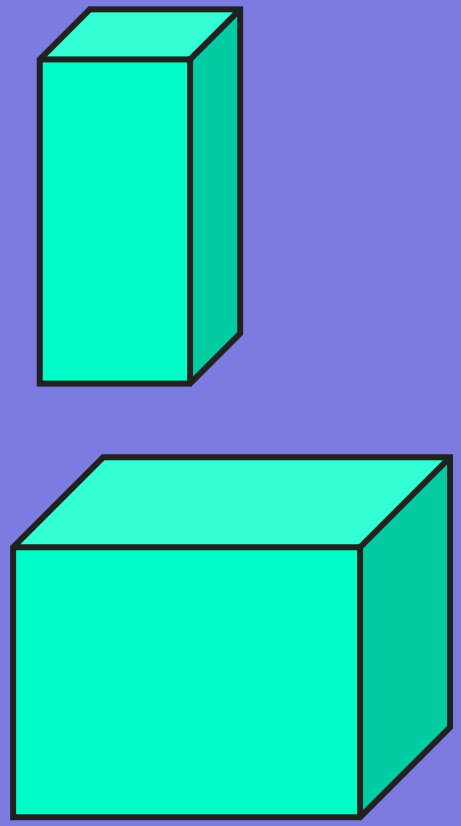
Prism-Palooza

Materials needed: pencil, book

Let's find the volume of all different kinds of prisms.

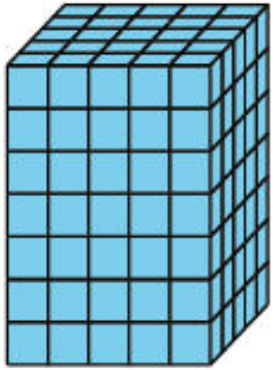


Warm Up: Which One Doesn't Belong: Many Prisms

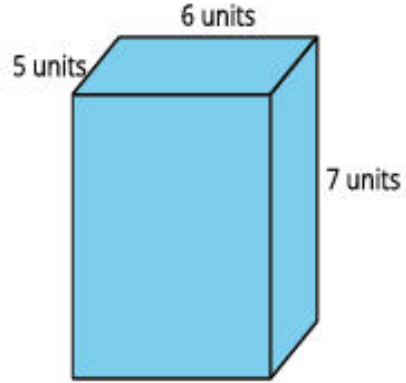
Pick one that doesn't belong.

Be ready to share why it doesn't belong.

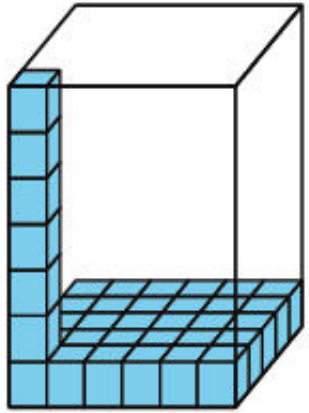
A



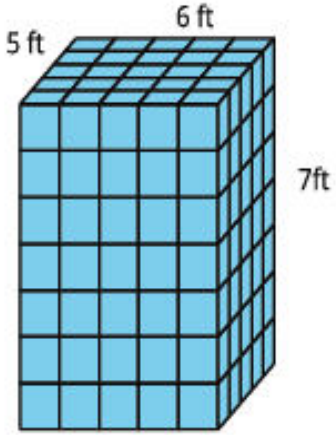
B



C

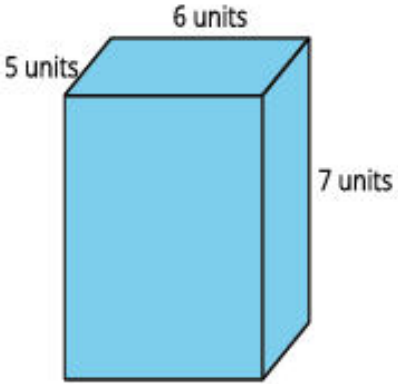


D

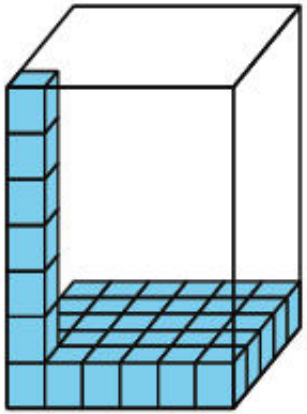


Warm Up: Synthesis

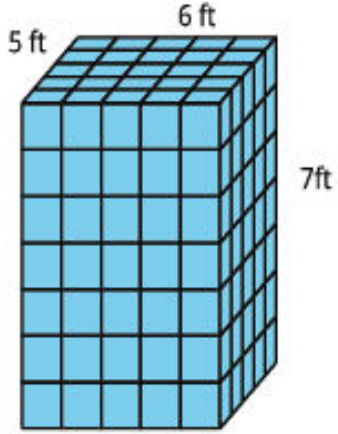
What do B, C, and D have in common?



B



C

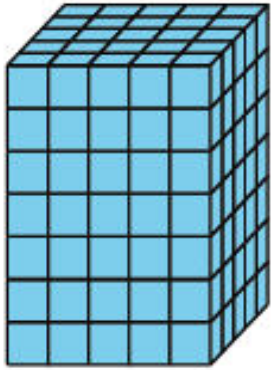


D

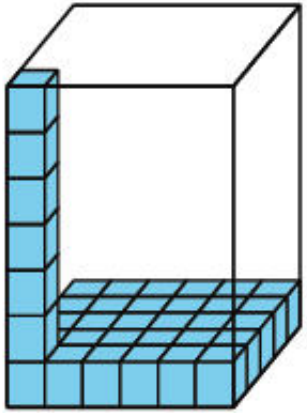
Warm Up: Synthesis

What do A, C, and D have in common?

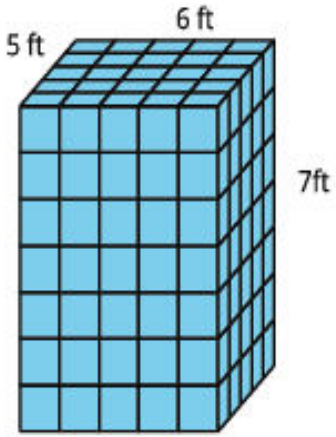
A



C



D



Activity 1 Rectangular Prisms in the World

You are going to practice finding the volume of rectangular prisms in real-world contexts.

You may need to draw a diagram to help you visualize the situation.

You have 8 minutes of individual work time.

Activity 1 Rectangular Prisms in the World

You are going to practice finding the volume of rectangular prisms in real-world contexts.

You may need to draw a diagram to help you visualize the situation.

Share with your partner.

Activity 1 Synthesis

Let's share.

Did we see anyone first multiply by 4 and 9 to get the area of the base and then multiply the result by 5?

If we multiply 4, 9, and 5 together, why is it a good method to calculate 4 x 5 first?

How is the third problem different from the first two?

Activity 2 Problem Solving with Figures

If we planted a garden at school, what vegetables would you want to grow?

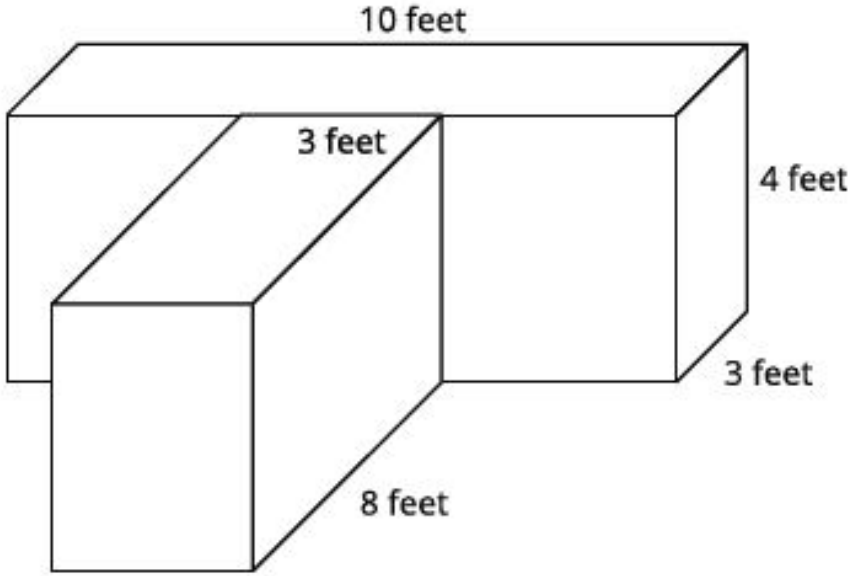
You will have 5 minutes of individual work time and then partner time.

Activity 2 Synthesis

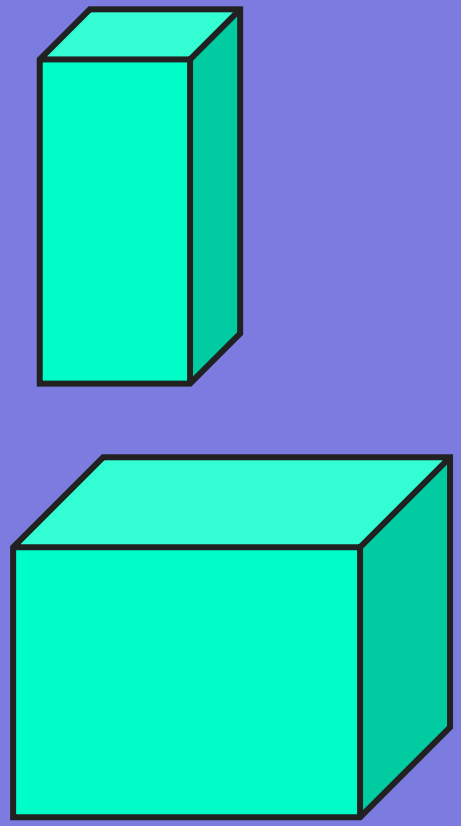
What do the two parts of the garden have in common?

What is the different about the two parts of the garden?

How could you put the pieces together to make a single rectangular prism?



Let's find the volume of all different kinds of prisms.



The Volume of a Sandbox

Cool Down