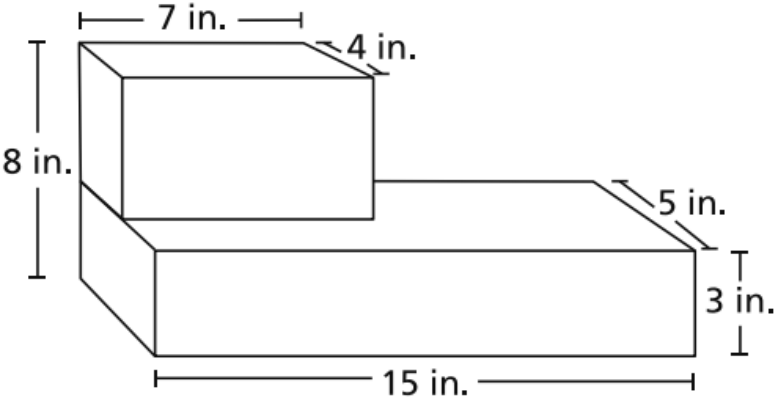
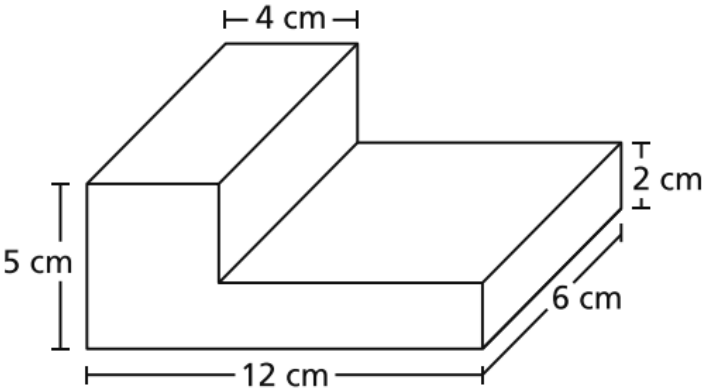


NY-5.MD.5c

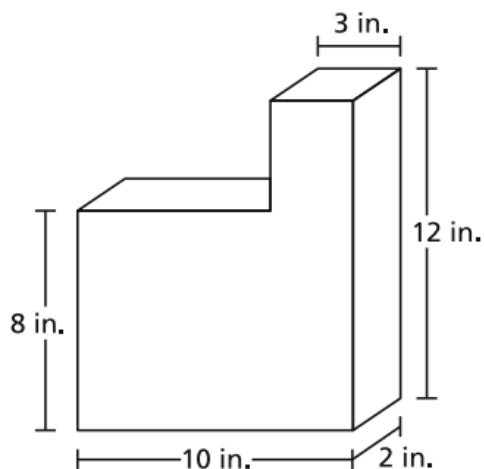
Recognize volume as additive. Find volumes of solid figures composed of two non-overlapping right rectangular prisms by adding the volumes of the non-overlapping parts, applying this technique to solve real world problems.

Year	Q. #	Question
2026	43 2pts	This question is worth 2 credits. A baker makes a cake in the shape of two right rectangular prisms, as shown below.  What is the total volume, in cubic inches, of the cake? <i>Show your work.</i>
2025	41 2	This question is worth 2 credits. Two right rectangular prisms were combined to make the figure shown below.  What is the total volume, in cubic centimeters, of the figure? <i>Show your work.</i>

2024

9
(C)

A diagram of a 3-dimensional figure is shown below.



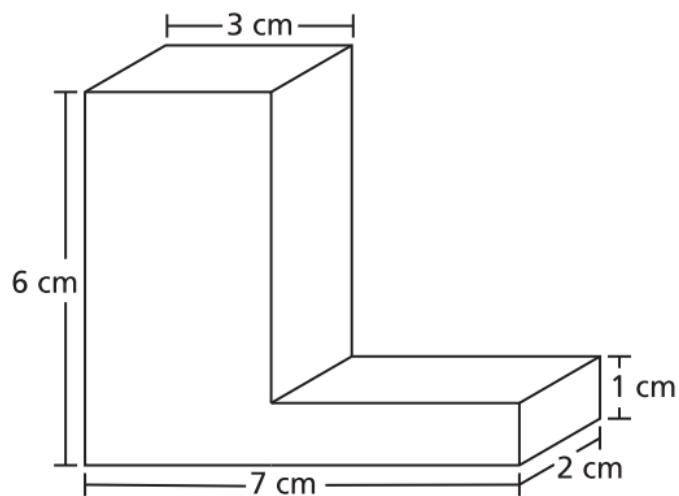
What is the volume, in cubic inches, of the figure?

- A 35
- B 72
- C 184
- D 240

2023

41
(2)

A diagram of a 3-dimensional figure is shown below.



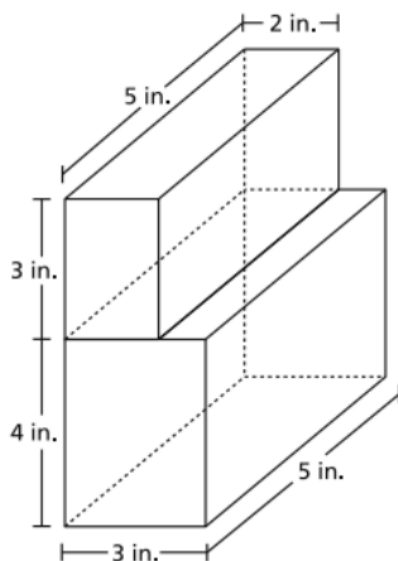
What is the volume, in cubic centimeters, of the figure?

Show your work.

2022

45

A diagram of two rectangular prisms is shown below.



Explain the process for determining the combined volume of the two prisms. Be sure to include the total volume in your answer.

Answer

If the prism on top of the figure was 4 inches tall instead of 3 inches tall, what would be the difference between the volume of the original prism on top and the new prism on top?

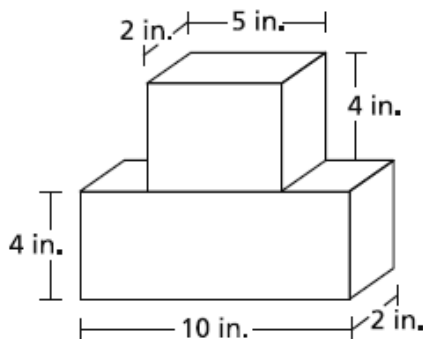
Show your work.

Answer _____ cubic inches

2019

30
(D)

Lana used the two blocks pictured in the diagram to build a tower.



LANA'S TOWER

What is the total volume, in cubic inches, of the tower Lana built?

- A 27
- B 80
- C 116
- D 120

2019	39 (2)	Martin is using unit cubes to build a tower in the shape of a right rectangular prism. A description of the tower is listed below. • bottom layer is made of 16 unit cubes • bottom layer is in the shape of a square prism • 9 more equal layers of unit cubes are added on top of the bottom layer What is the total volume, in cubic units, of the completed tower? Show your work. Answer _____ cubic units
------	-----------	---