



Released Testlet

Math.8.G.9.S

Subject: Mathematics

Grade: 8th

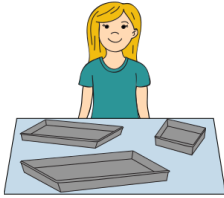
Linkage Level: Successor

Essential Element: Use the formulas for perimeter, area, and volume to solve real world and mathematical problems (limited to perimeter and area of rectangles and volume of rectangular prisms).

Node Assessed: Solve word problems involving volume of rectangular prisms.

A screenshot of a testlet interface. At the top, the text "Math 8.G.9 S" is displayed in blue. Below this, a white rectangular box contains the instruction "Choose BEGIN to start." At the bottom of the interface, there are two buttons: a blue button on the left with a left-pointing arrow icon and the text "GO BACK", and a green button on the right with the text "BEGIN" and a right-pointing arrow icon.

Jenny is making cakes for a bake sale. Jenny measures the length, width, and height of each cake pan to find the volume.



BACK 



NEXT 

javascript:

The first cake pan Jenny uses has a length of 9 inches. The pan has a width of 10 inches. The pan has a height of 2 inches.

What is the volume of the pan in cubic inches? [volume = length \times width \times height]

21 cubic inches

90 cubic inches

180 cubic inches

BACK 



NEXT 

The next cake pan Jenny uses has a length of 5 inches. The pan has a width of 5 inches. The pan has a height of 2 inches.

What is the volume of the pan in cubic inches? [volume = length \times width \times height]

12 cubic inches

50 cubic inches

52 cubic inches



The last cake pan Jenny uses has a length of 10 inches. The pan has a width of 10 inches. The pan has a height of 2 inches.

What is the volume of the pan in cubic inches? [volume = length \times width \times height]

22 cubic inches

102 cubic inches

200 cubic inches



Review: Math 8.G.9 S -- Section 1

Are you done?

1 2 3

Red boxes mean you are not done. Ask your teacher for help.

Answered Not answered

Green checks mean you are done. You can choose END.

 GO BACK

END 

Review: Math 8.G.9 S -- Section 1

Are you done?

1 2 3

Red boxes mean you are not done. Ask your teacher for help.

Answered Not answered

Green checks mean you are done. You can choose

Are you sure you want to end?

YES

NO