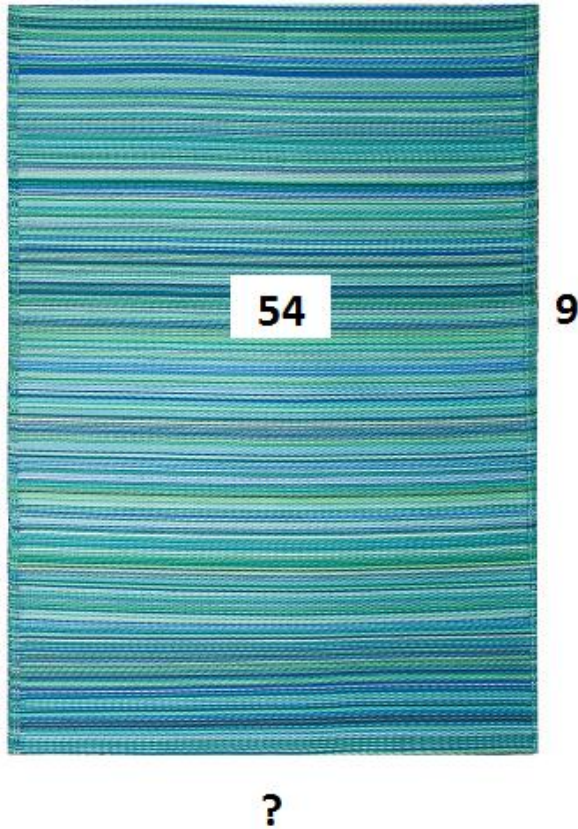


MEASUREMENT/GEOMETRY SKILLS TEST 3: Finding a missing attribute when given area or volume

Arjun wants to know if this rug will fit under his dining room table. He knows the area of the rug is 54 feet squared. The length of the rug is 9 feet long. What is the width of the rug shown below?

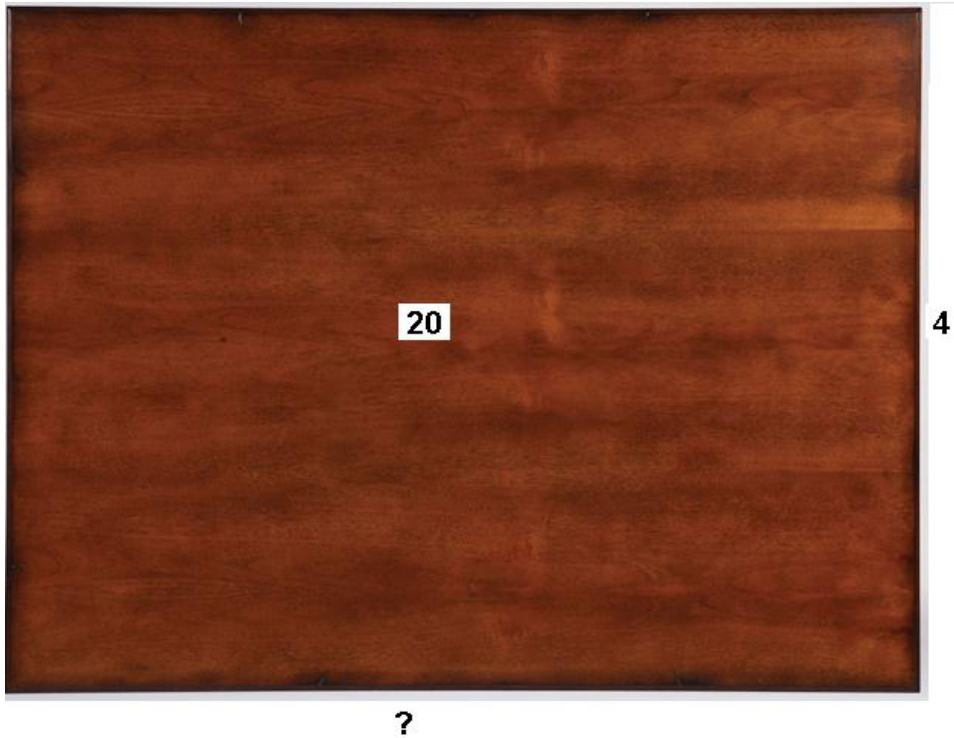


$$\text{Area} = \text{length} \times \text{width}$$

$$\text{Width} = \underline{\hspace{2cm}}$$

Student Name: _____

The area of Arjun's dining room table is 20 feet squared. The width of the table is 4 feet. What is the length of the table?



Area = length x width

Length = _____

Student Name: _____

The storage box is 7 inches long and 6 inches high. The volume shows how much storage space is inside the box. The volume of the box is 252 cubic inches. Use the formula to calculate the width of the box.

Volume = length x width x height

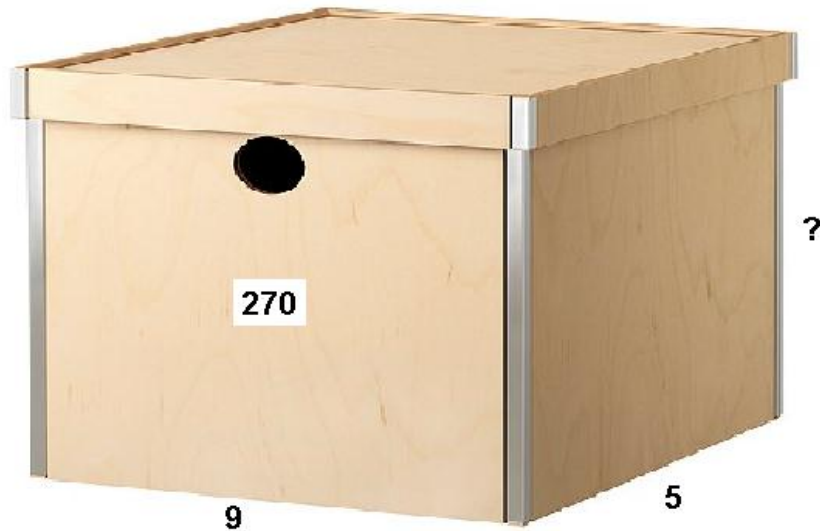


Width = _____

Student Name: _____

Allison needs a box to hold files but wants to make sure it will hold her files. The box is 9 inches long and 5 inches wide. The volume of the box is 270 cubic inches. What is the height of the box shown below?

Volume = length x width x height



Height = _____