

Finding the Area of Faces on Three-Dimensional Figures

Complete the first problem. Then use your answer to complete the second and third problems.

1 Mr. Garcia's classroom has four walls. He wants his class to make a mural for one of the walls. He cuts two large pieces of paper that are 24 feet long and 4 feet high. After students decorate the papers, he will tape them together and put them up so that the entire wall is covered. What is the area of the entire mural?

2 There are 24 students in Mr. Garcia's class. To be fair, he will draw lines on the mural papers to split them up so that each student has the same amount of paper to draw on. How much space should each student get?

3 What might be the dimensions of the space each student receives for drawing?

_____ ft × _____ ft