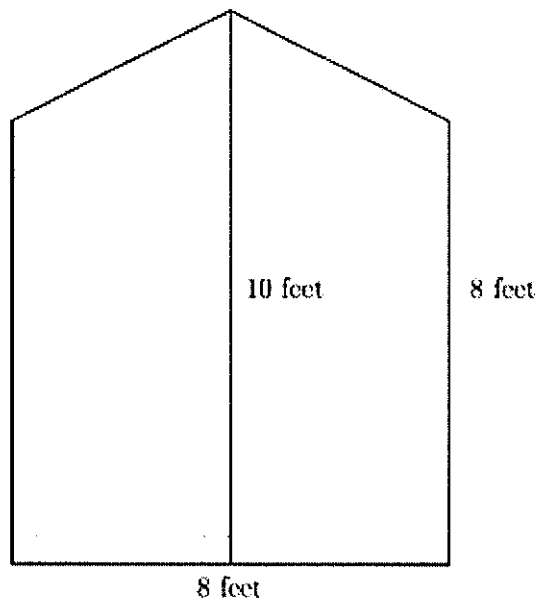


6.G Wallpaper Decomposition

Task

Jamie is planning to cover a wall with red wallpaper. The dimensions of the wall are shown below:



- How many square feet of wallpaper are required to cover the wall?
- Wallpaper comes in long rectangular strips which are 24 inches wide. If Jamie lays the strips of wallpaper vertically, can she cover the wall without wasting any wallpaper? Explain.
- If Jamie lays the strips of wallpaper horizontally, can she cover the wall without wasting any wallpaper? Explain.