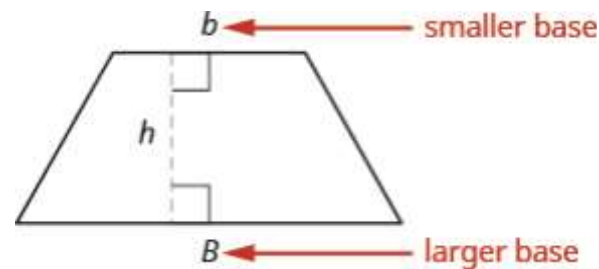


Using the Quadratic Formula in an Art Project

Project

- Make a self portrait with 10,000 trapezoids
- For #genuity2022
- Start with a selfie that is 100 x 100 pixels
- Area of each trapezoid matches brightness of each pixel in selfie
- Larger base is 16 pixels
- Height and smaller base the same

$$\text{Area}_{\text{trapezoid}} = \frac{1}{2}h(b + B)$$



Problem

- We know the area, we need to get the height