

By Kendel Lewellen

One sunny spring day, three frogs were playing in a pond. The frogs were friends. Their names were Freddie, Frankie, and Freida.

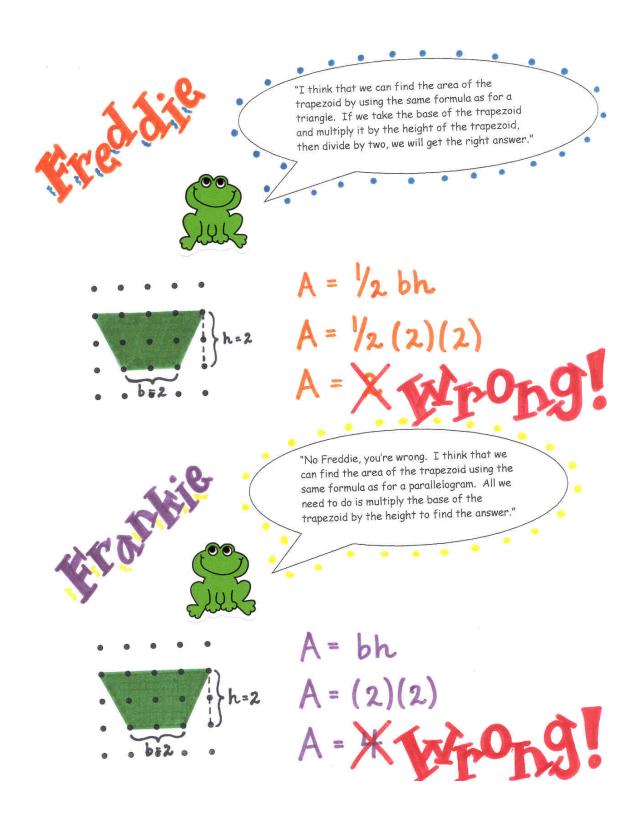


Freddie, Frankie, and Freida were in the middle of a game of tag when Freddie realized that he had hopped onto a lily pad that was a special shape. It was a TRAPEZOID.



(A trapezoid is a four-sided polygon that has at least one pair of opposite sides parallel)

The frog friends wondered if they could find a way to figure out the area of this lily pad.



"Freddie and Frankie, you're BOTH wrong. To find the area of the lily pad, we need to use a *special* formula for a trapezoid. First, we average lengths of the top and bottom of the shape. (The top and bottom can be labeled base 1 and base 2, and the average is found by adding them together and dividing by two.) Then, we multiply that average number by the height of the trapezoid. MY WAY is the RIGHT WAY to figure out the area of the trapezoid lily pad."



$$A = \left(\frac{b_1 + b_2}{2}\right) h$$

$$A = \left(\frac{4 + 2}{2}\right) 2$$

$$A = (3)(2)$$

$$A = 6$$

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