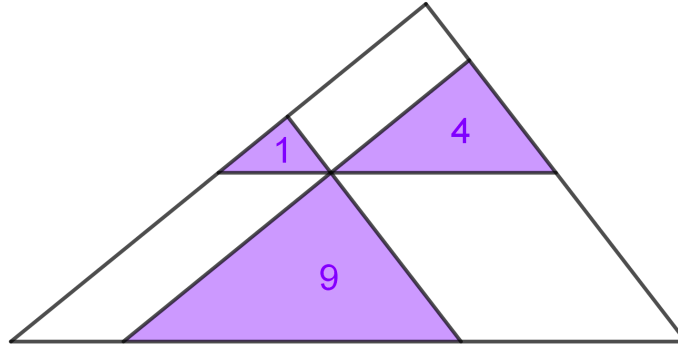




PROBLEM OF THE WEEK #6  
(Spring 2021)

Lines parallel to the sides of a triangle  $T$  intersect at a single point inside  $T$ , forming three smaller triangles of area 1, 4, and 9. Find the area of  $T$ .



[Please fully explain your answer.]

Email your solution to [kwonmi@uwplatt.edu](mailto:kwonmi@uwplatt.edu) by 4:00pm on Wednesday, March 10, 2021.

Every week, the best solution submitted earns a \$10 Platteville gift certificate; the top scorer each semester also wins a cash award. Good luck!

You can always see the Problem of the Week (and complete rules) online at:

<http://uwpmath.weebly.com/>