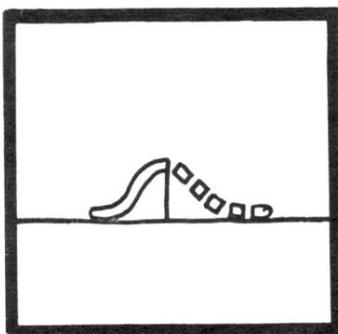


A Doodle for the Review of Area

Answer Key by David Pleacher

- Determine the area of a triangle with base 18 and altitude 9. D. 81
- A square and a rectangle have equal areas. If the dimensions of the rectangle are 15 x 3, find the length of the side of the square. E. $3\sqrt{5}$
- Compute the area of a parallelogram with base $2\sqrt{30}$ and altitude $\sqrt{15}$. N. $30\sqrt{2}$
- How many 4" x 4" tiles would it take to cover an area 10' x 5' 8" ? B. 510
- Determine the area of a trapezoid whose altitude is 3 and bases are 19 and 11. R. 45
- Determine the area of a rectangle with base $\sqrt{6}$ and altitude $\sqrt{15}$. G. $3\sqrt{10}$
- Determine the area of a rectangle whose perimeter is 22 and one side is 5. V. 30
- Determine the area of $\triangle ABC$ if $m\angle C = 30$, $m\angle B = 90$, and $AC = 8$. O. $8\sqrt{3}$
- Determine the perimeter of a square whose area is 49 square units. W. 28
- Determine the area of a rhombus whose diagonals are 5 and 9. M. 22.5
- Determine the area of a square whose perimeter is 60. C. 225
- Compute the area of a parallelogram with base 90 and altitude 3. Z. (270)
- Two sides of a triangle are 20 and 16 units long, and the altitude to the 20-unit side is 8 units. Determine the length of the altitude to the 16-unit side. L. 10
- Determine the length of the side of a square whose perimeter is numerically equal to its area. I. 4
- A rhombus has a side equal to 18, and the measure of one angle equal to 30. Determine its area. A. 162
- Determine the area of a square whose side is $11\sqrt{2}$. T. 242



“Determined Worm Crawling Over Razor Blade.”