

Area Maze 3, 4

Date:

Name:

Use your understanding of area and logic to help you give the missing dimensions and areas for each problem below.

<p>[5]</p>	<p>[6]</p>
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Triangle Hunt 7, 8, 9

Instructions:

<p>Join any three of the given dots with straight lines (use a ruler) to make a triangle with an area of 3 units²</p>	<p>Here is the solution:</p>	<p>Working for the solution:</p>
		<p>base = 2 units height = 3 units</p> <p>formula for area of triangle is $(bh)/2$</p> <p>= (2×3) divided by 2</p> <p>= (6) divided by 2</p> <p>= 3 units²</p>

<p>[7] Area = 3 square units</p>	<p>[8] Area = 3 square units</p>	<p>[9] Area = 1 square unit</p>
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Extra Challenges 7, 8, 9

<p>[9] Find the area of the blue square below. The radius of the circle is 3 cm. The square is exactly one third the length of the diameter of the circle.</p>	<p>[10] Find the area of the triangle formed by the 3 squares.</p>	<p>[11] Give the dimensions of the rectangle below. The area is 17.6 cm² and the perimeter is 17.4 cm.</p>
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Area Maze 3, 4

Date:

Name: SOLUTIONS

Use your understanding of area and logic to help you give the missing dimensions and areas for each problem below.

<p>[3]</p>	<p>[4]</p>
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Triangle Hunt 7, 8, 9

Instructions:

Join any three of the given dots with straight lines (use a ruler) to make a triangle with an area of 3 units ²	Here is the solution:	Working for the solution:
		<p>base = 2 units height = 3 units</p> <p>formula for area of triangle is $(bh)/2$</p> <p>= (2×3) divided by 2</p> <p>= (6) divided by 2</p> <p>= 3 units²</p>
[6] Area = 3 square units	[7] Area = 3 square units	[8] Area = 1 square unit

Extra Challenges 7, 8, 9

<p>[9] Find the area of the blue square below. The radius of the circle is 3 cm. The square is exactly one third the length of the diameter of the circle.</p> <div style="text-align: center;"> <p style="color: magenta; font-size: 1.2em;">4 cm²</p> </div>	<p>[10] Find the area of the triangle formed by the 3 squares.</p> <div style="text-align: center;"> <p style="color: magenta; font-size: 1.2em;">15 cm²</p> </div>	<p>[11] Give the dimensions of the rectangle below. The area is 17.6 cm² and the perimeter is 17.4 cm.</p> <div style="text-align: center;"> <p style="color: magenta; font-size: 1.2em;">6.5 cm</p> <p style="color: magenta; font-size: 1.2em;">3.2 cm</p> </div>
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