

2016 MAC Rubrics Grade 4

Triangular Tiles	Rubric																	
<p>The core elements of performance required by this task are:</p> <ul style="list-style-type: none"> • Student work is characterized by recognizing that shapes in different categories may share attributes. (3.G.1) • Student work is characterized by understanding that an angle is measured by the fraction of 360° that it rotates. (4.MD.5b) • Student work is characterized by recognizing that angle measure is additive, and by solving addition and subtraction problems to find an unknown angle measure. (4.MD.7) • Student work is characterized by classifying 2D figures based on angle measures. (4.G.2) • Student work is characterized by attending to precision in composing shapes. (MP6) <p>Based on these, credit for specific aspects of performance should be assigned as follows</p>	points	section points																
1. Gives correct answer: triangle 2	1	1																
<p>2. Gives the correct answer, completing the chart as shown below:</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 30px;"></th> <th style="width: 50px;">scalene</th> <th style="width: 50px;">isosceles</th> <th style="width: 50px;">equilateral</th> </tr> </thead> <tbody> <tr> <th style="width: 50px;">acute</th> <td></td> <td></td> <td>3</td> </tr> <tr> <th style="width: 50px;">right</th> <td>1</td> <td></td> <td></td> </tr> <tr> <th style="width: 50px;">obtuse</th> <td></td> <td>2</td> <td></td> </tr> </tbody> </table> <p>Places 2 numbers correctly.</p> <p>Special Case: Interprets row heading as meaning “type of angles” not “types of triangles”</p>		scalene	isosceles	equilateral	acute			3	right	1			obtuse		2		2 (1) 2	2
	scalene	isosceles	equilateral															
acute			3															
right	1																	
obtuse		2																
<p>3. Gives the correct answer: 60°</p> <p>Shows work such as: $360^\circ \div 6 = 60^\circ$</p> <p>Or, 3 angles make a straight angle: 180°, $180^\circ \div 3 = 60^\circ$</p>	1 1	2																
<p>4. Gives the correct answers: m Angle B = 120°</p> <p>Shows work such as: Angle B: $180^\circ - 60^\circ = 120^\circ$</p>	1 1	2																
Total Points		7																