Name_____ Date_____

Shape and Space
Unit 1 Line Master 2a

Double It, Triple It!

1. Use cardboard, push pins, and the ruler-like strips to make a triangle with all sides of length 5 units or less. Sketch your triangle. Label the side lengths. Measure the angles in your triangle and add them to your sketch.

2. Can you make a different triangle with the same side lengths as your triangle in Question 1? Why or why not?

3. Double the side lengths of your triangle in Question 1. Make a new triangle with those side lengths. Sketch your triangle. Label the side lengths. Measure the angles in your triangle and add them to your sketch.

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Double It, Triple It! (cont'd)

4. Triple the side lengths of your triangle in Question 1.
   Make a new triangle with those side lengths. Sketch your triangle.
   Label the side lengths. Measure the angles in your triangle and add them to your sketch.

5. What do you notice about the angle measures in your triangles?
   Why do you think that is?

6. A triangle has side lengths 4 cm, 7 cm, and 8 cm.
   Another triangle has side lengths 8 cm, 14 cm, and 16 cm.
   What do you know about these triangles?

7. A quadrilateral has side lengths 4 cm, 4 cm, 9 cm, and 9 cm.
   What do you know about a quadrilateral that has side lengths that are 7 times as long?

Name_____ Date_____

Shape and Space
Unit 1 Line Master 2c

Double It, Triple It! (cont'd)