## Unit 7 Lesson 10: Drawing Triangles (Part 2)

### 1 Using a Compass to Estimate Length (Warm up)

#### Student Task Statement

1. Draw a angle.
2. Use a compass to make sure both sides of your angle have a length of 5 centimeters.
3. If you connect the ends of the sides you drew to make a triangle, is the third side longer or shorter than 5 centimeters? How can you use a compass to explain your answer?

### 2 Revisiting How Many Can You Draw?

#### Student Task Statement

1. Draw as many different triangles as you can with each of these sets of measurements:
   1. One angle measures , one side measures 4 cm, and one side measures 5 cm.
   2. Two sides measure 6 cm, and one angle measures .
2. Did either of these sets of measurements determine one unique triangle? How do you know?

### 3 Three Angles

#### Student Task Statement

1. Draw as many different triangles as you can with each of these sets of measurements:
   1. One angle measures , one measures , and one measures .
   2. One angle measures , one measures , and one measures .
2. Did either of these sets of measurements determine one unique triangle? How do you know?



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