Line and Angle Bisectors

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| * Draw a horizontal line 6 cm long.
* Construct its perpendicular bisector using ruler and compasses.
 | * Draw a vertical line 5 cm long.
* Construct its perpendicular bisector using ruler and compasses.
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| * Draw a circle of radius 4 cm.
* Draw any two chords in it.
* Construct the perpendicular bisector of each chord.
* Where do the two perpendicular bisectors meet?
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| Use ruler and compasses to construct the angle bisectors of these angles. |
| * Use your compasses and ruler to construct an equilateral triangle of side length 8 cm.
* Bisect each angle.
* What do you notice about the bisectors?
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| * Draw a circle with a radius of 5.5 cm.
* Make a mark anywhere on the circumference and use your compasses (still set at 5.5cm) to go round the circle making large arcs from one side of the circumference to the other.
* Go to the next point on the circumference and repeat.
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I have been successful at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I need more practice at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_