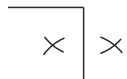


THIS WORK MUST BE DRAWN USING SET SQUARES  
AND A COMPASS



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We need to draw the perpendicular bisector of the vertical segment, by using the compass.



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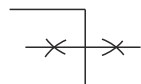
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By doing so, we find the midpoint of it.

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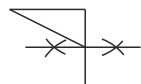
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We join this midpoint and the end of the horizontal segment.

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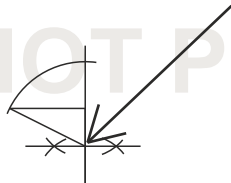
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TAKE CENTRE HERE  
WITH THE COMPASS



Taking centre on the midpoint, we draw an arc from the end of the horizontal segment, up to cross the enlarged vertical one.

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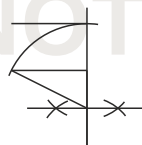
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Starting in the crossing point, we have to draw a parallel line to the horizontal one, USING THE SET SQUARES.

The length of this new line must be the same than the horizontal given line.

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Then, we can erase all the lines but for these ones.

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We draw a second parallel line with the same length, from the lower point.

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Then, we connect the ending points of the horizontal lines, closing the first golden ratio rectangle.

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Enlarging the upper horizontal side of the rectangle, we start the same process again, which means that we have to take the same length than the vertical side.

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Then, we draw a vertical line (parallel to the other ones, using the set squares)

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And we draw the second golden ratio rectangle

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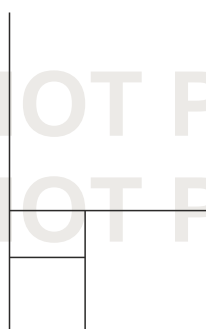
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From here to the page 29, we repeat the same process, creating bigger golden ratio rectangles.

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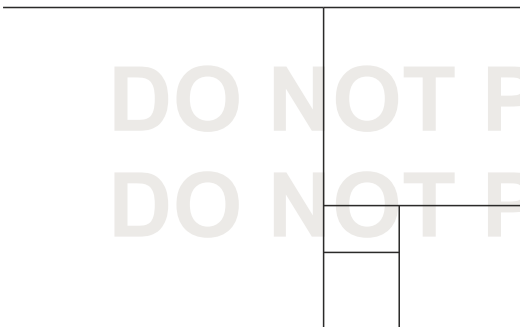
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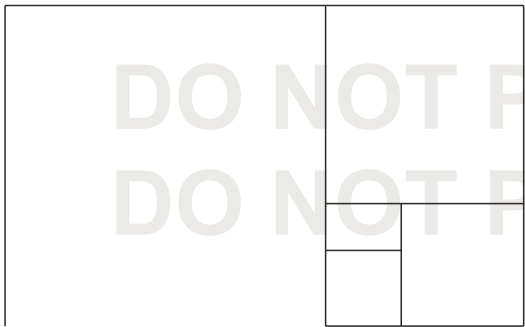
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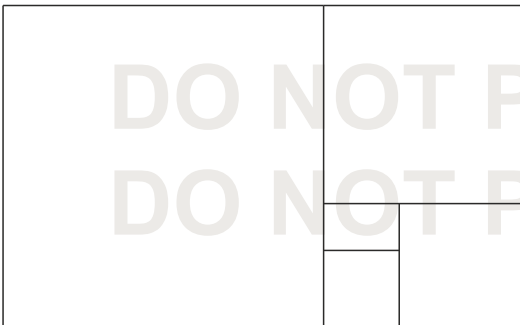
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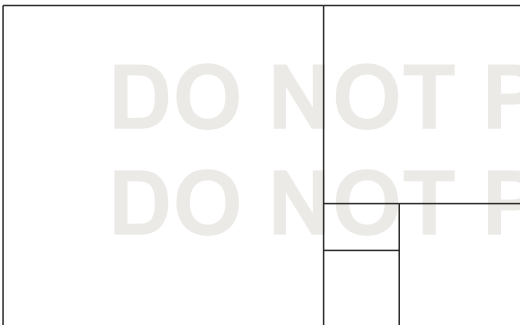
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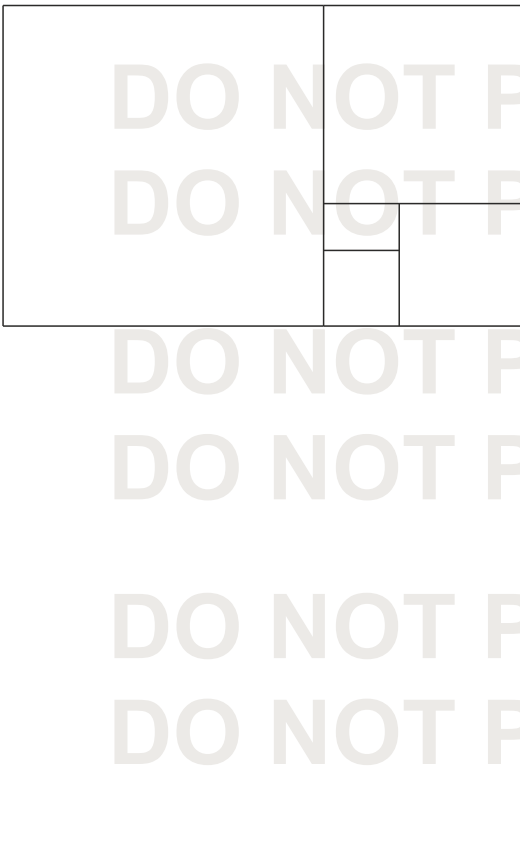
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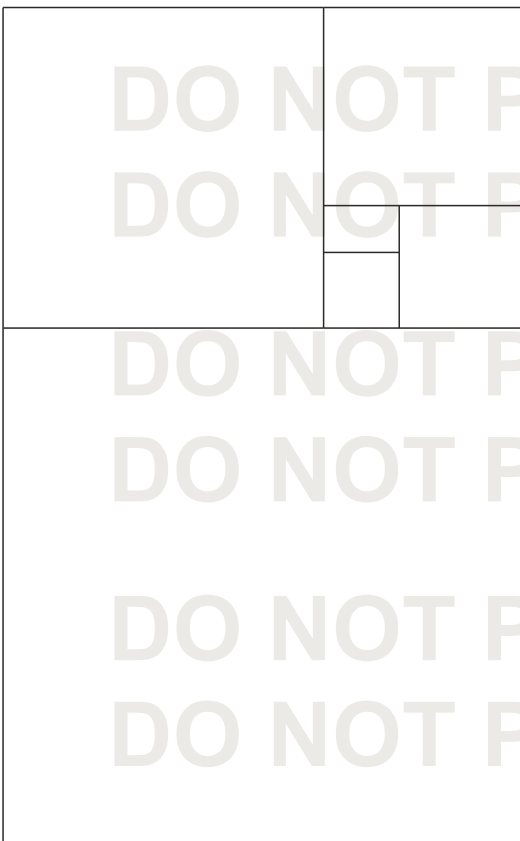
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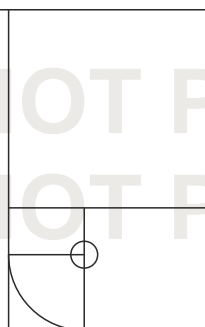
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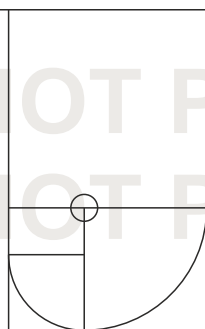
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Then, we are going to take centre with the compass on one of the corners of the smallest square (pointed out with a small circle), and draw the arc which connects this and its opposite one.

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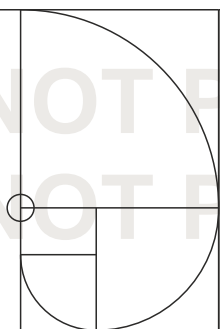
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We draw the second arc (notice that we point out the centre with a small circle).

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We draw the rest of the arcs, up to complete the spiral.



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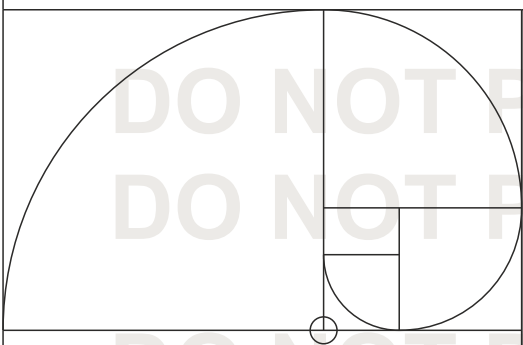
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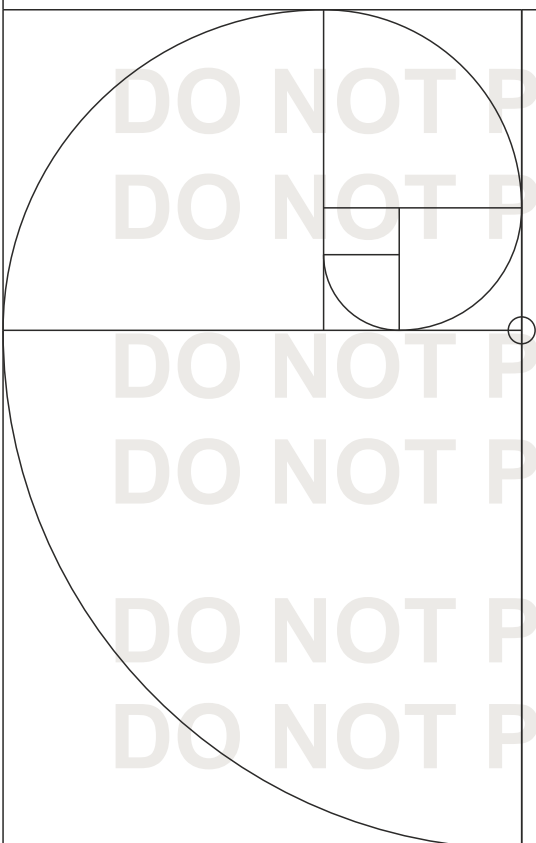
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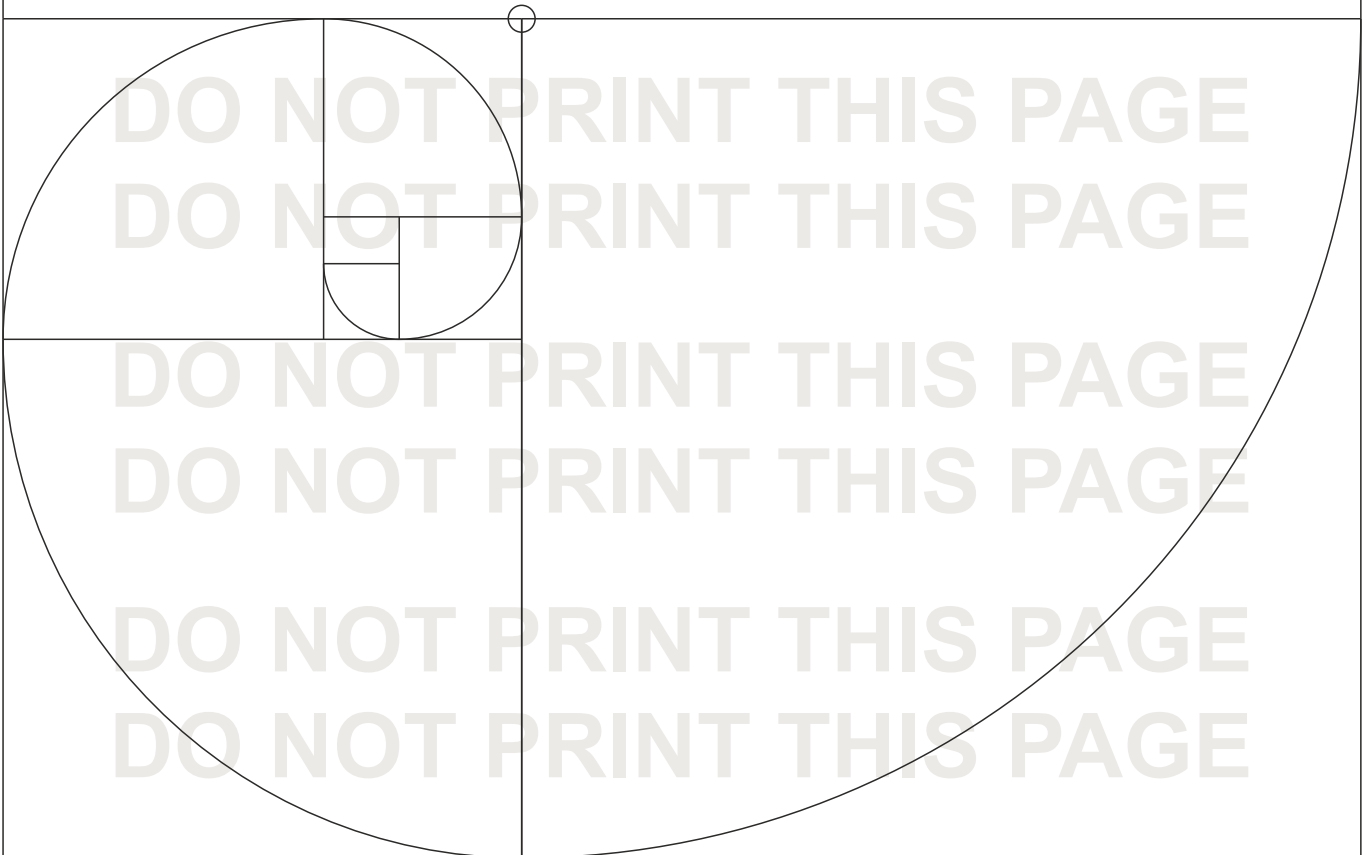
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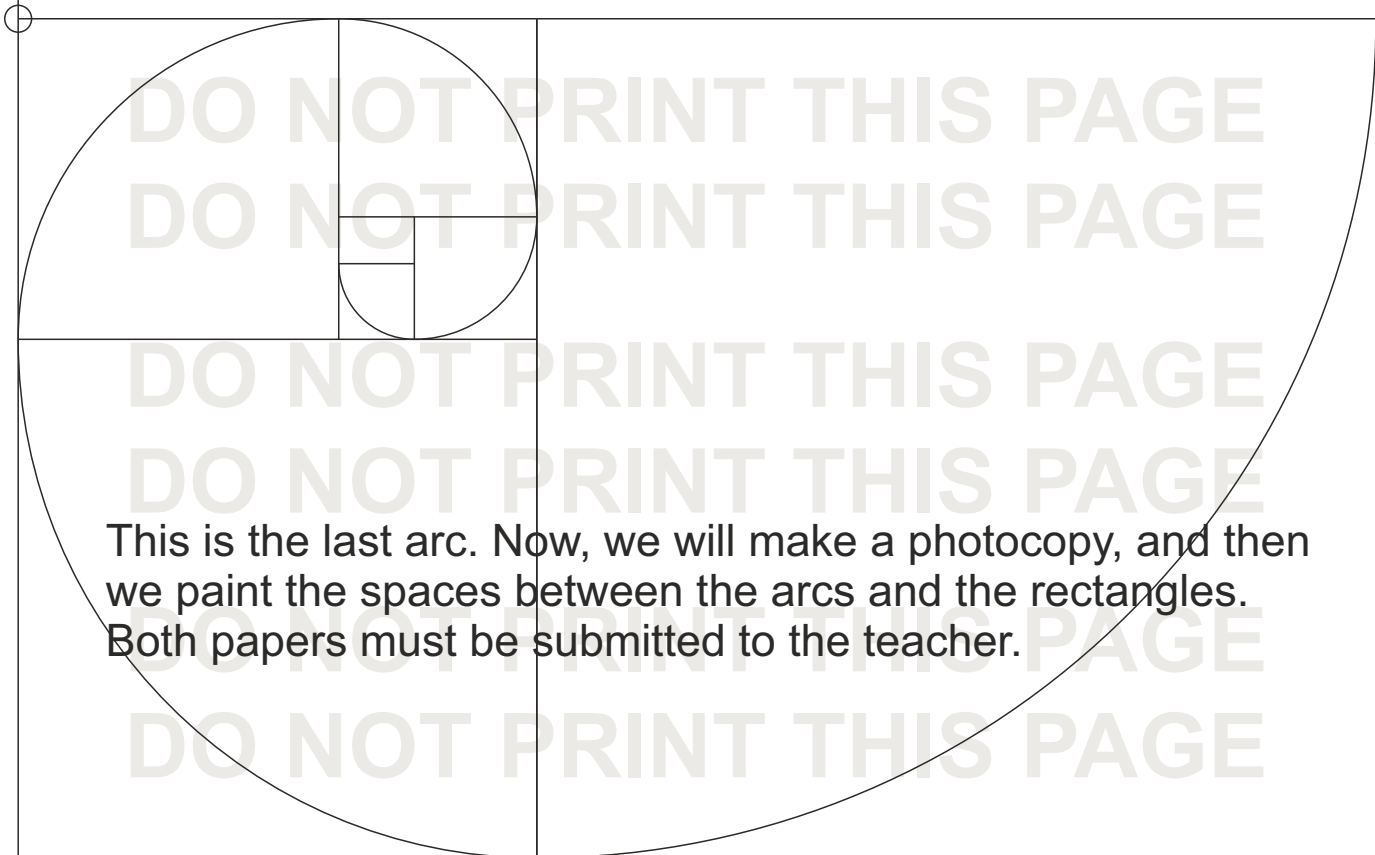


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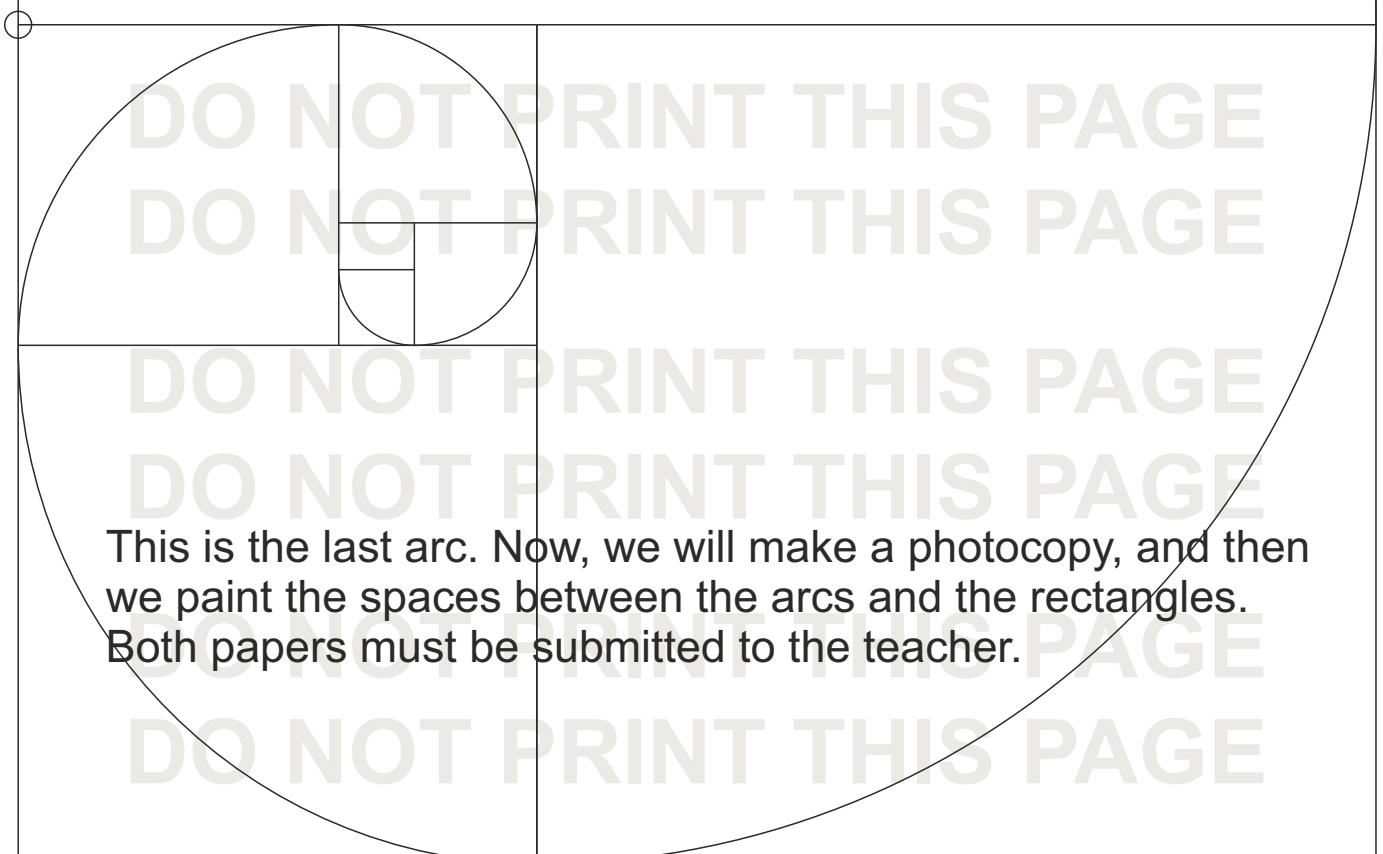
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This is the last arc. Now, we will make a photocopy, and then we paint the spaces between the arcs and the rectangles. Both papers must be submitted to the teacher.

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