Insights project: Inquiry model Student name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_\_\_

Project name : Lumière des Lunes^

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| Observations and doodles | |
| The four sides of a square are used as diameters to define four overlapping, congruent circles. Then, a larger circle is drawn so that it passes through all four corners of the square. The length of the square's diagonal is 5.  **What is the total area of the regions shaded purple?** |  |
| Wrong answers and guesses (Goldilocks) | |
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| Solve + explain |
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