

# Problem-Solving Strategy:

## Make a Model

Make a model to solve the following problems.

1. Mrs. Dolan wants to tile her kitchen floor with tiles in the shape of regular pentagons. Will regular pentagons tessellate?

**UNDERSTAND**

What is the question?

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What do you know about tessellations?

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**PLAN**

Make models of congruent regular pentagons.

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**SOLVE**

Use translations to fit the regular pentagons together. Do they fit without gaps or overlaps?

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**LOOK BACK**

Does your answer make sense?

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2. Mrs. Dolan decides to try tiling her kitchen with congruent isosceles right triangle tiles. Will congruent isosceles right triangles tessellate? Explain.

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