Worksheet on Reflectional and Rotational Symmetry

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1) Draw on all lines of symmetry.

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2) Add one small square so that the shape has reflectional symmetry. Draw in the line of symmetry.

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3) Add one small square so that the shape has rotational symmetry.

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4) Add one small square so that the shape still has reflectional symmetry. Draw in all lines of symmetry.

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5) Add two small squares so that the shape has either reflectional or rotational symmetry. State the type of symmetry and draw in the lines of symmetry when it is reflectional symmetry

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Questions

* Describe the process you use when selecting a square(s) to make reflectional symmetry.
* Describe the process you use when selecting a square(s) to make rotational symmetry.
* Have you found all possible solutions for all questions? How can you be sure?

Note: Some questions will need extra grids to allow for all possible solutions!