**Five Types of Questions**

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| Question Type | Purpose | Examples |
| Gathering Information | Ask students to recall facts, definitions, or procedures. |  |
| Probing thinking | Ask students to explain, elaborate, or clarify their thinking, including articulating the steps in solution methods or completion of a task. |  |
| Making the mathematics visible | Ask students to discuss mathematical structures and make connections among mathematical ideas and relationships. |  |
| Encouraging reflection and justification | Reveal deeper insight into student reasoning and actions, including asking students to argue for the validity of their work. |  |
| Engaging with the reasoning of others | Help students to develop an understanding of each other’s solution paths and thinking, and lead to the co-construction of mathematical ideas. |  |

Adapted from Smith, M. S., et al. (2017) *Taking Action: Implementing Effective Mathematics Teaching Practices,* p. 102, National Council of Teachers of Mathematics.