

I Notice/I Wonder

I Notice and Wonder is a routine that provides the opportunity for learners to pause and notice features of information, math tasks, diagrams or pictures before stepping into solving or producing a product. This allows learners to identify key information.

1. After you choose a number, diagram, task or problem for learners to interact with, ask: What do you notice? What do you wonder? Learners record their thinking in a simple t-Chart

Notice	Wonder

2. Have learners share what they notice. Chart these.
3. Have learners share their questions. Chart these.
4. Now pose the question that is the focus of the lesson. This may be a question that was raised or something different. Students can relate what they know to the unknown they are being asked about.

National Council of Teachers of Mathematics. (2018). *Beginning to Problem Solve with "I Notice, I Wonder"*. Retrieved from National Council of Teachers of Mathematics:

<https://www.nctm.org/Classroom-Resources/Problems-of-the-Week/I-Notice-I-Wonder/>

