

CTCTM Fall Meeting Breakout: Notice and Wonder

Show Video: [https://www.nctm.org/Classroom-Resources/Features/Notice-and-Wonder/Notice-and-Wonder/\(Episode 3\)](https://www.nctm.org/Classroom-Resources/Features/Notice-and-Wonder/Notice-and-Wonder/(Episode%203))

- Why would this be an important routine in your classroom?
- What are the pros?
- What might stand in your way? How could those hurdles be overcome?
- How would you connect this routine to word problem solving? *Show Beginning to Problem Solve page*
- How could this routine be beneficial across content areas?

What do you notice? What do you wonder?

Examples:

Counting

https://teachlearnlovemathematics.files.wordpress.com/2019/08/20190808_144307-e1565303684249.jpg

Fractions

https://twitter.com/I_See_Math/status/1293207770746019845/photo/1

- *Charlie has a giant bag of gumballs and wants to share them with his friends. He gives half of what he has to Jaysen. He gives half of what's left after that to Marinda. Then he gives half of what's left now to Zack. His mom makes him give 5 gumballs to his sister. Now he has 10 gumballs left.*

Multiplication

<https://www.edutopia.org/article/how-spark-engagement-math-pictures>

Resource to Dive Deeper:

<https://drive.google.com/file/d/0B09h8FliZa5XY1BVZ2FqRnZleUU/view?resourcekey=0-8OHvpgxrXBix7ff44ZP1Cw>