## Math on the Farm - Virtual Learning Adaption Target Grade Level: 2nd and 3rd Grade

## Full Lesson Plan: <https://www.iowaagliteracy.org/Article/Math-on-the-Farm>

This document is meant for you, the teacher, to use to convert the lesson plan into a virtual learning module for your students. You can use the steps outlined below to create different elements of a Google Classroom or other online learning module. You can also send the steps directly to your students in a PDF, present them in a virtual meeting, or plug them into any other virtual learning platform you use. Find more virtual lessons here: [Virtual Learning.](https://www.iowaagliteracy.org/Tools-Resources/Other/Virtual-Learning)

|  |  |
| --- | --- |
| Engage | Start by thinking about these questions. Write them down on a piece of paper, or you can just think about them.   * What is agriculture? * What are some jobs in agriculture? * How does a farmer use math? |
| Explore | Agriculture is everything involved with raising plants and animals to use used for food fiber and fuel. Some of the people who work in agriculture include farmers, veterinarians, diesel mechanics, plant scientists, and seed or equipment sales reps. Watch the videos below to learn more about agriculture and the job of a farmer. As you read, add to your list of the math farmers use.   * [Who is a farmer?](https://www.youtube.com/watch?v=aqz0Mj6sIwY) * [*My Family’s Pig Farm* Read Aloud](https://www.youtube.com/watch?v=fCtOxadOYWg) |
| Explain | Farmers and others who work in agriculture use math every day. They use math to determine the amount of seed they need to plant their crop and how much it will cost. They use math to decide what tractors and equipment to purchase and make payments. Farmers keep track of things like how much their livestock weighs, how much milk their cows produce, and their crop yield per acre, etc.  Today you are going to practice your math skills by doing some story problems about farms and agriculture. But first, let’s review some vocabulary that farmers use.   * [Vocabulary](https://docs.google.com/presentation/d/1L6hNt0DfWrx_mr72F10HGEmAAaXbxE9fwcFmsqXQRCE/present?usp=sharing) |
| Elaborate | Now, you’re going to do some math! Complete the Math on the Farm story problems using the Google Doc or printable worksheet. Be sure to show your work for each problem.   * [Math on the Farm Story Problems](https://drive.google.com/file/d/1iyt2FrcrPtODKhmHpMn6LCDYiEBIsG5m/view?usp=sharing) (printable) * [Math on the Farm Story Problems](https://docs.google.com/document/d/1ZbR9qDAIW9FZ7tD1_M4TTbzaQKnejKzlba7-Vf1eYys/copy?usp=sharing) (Google Doc worksheet) |
| Evaluate | Finally, interview your parents to learn about the type of math they do at home or at work. Write their answers down and share them with your teacher. |