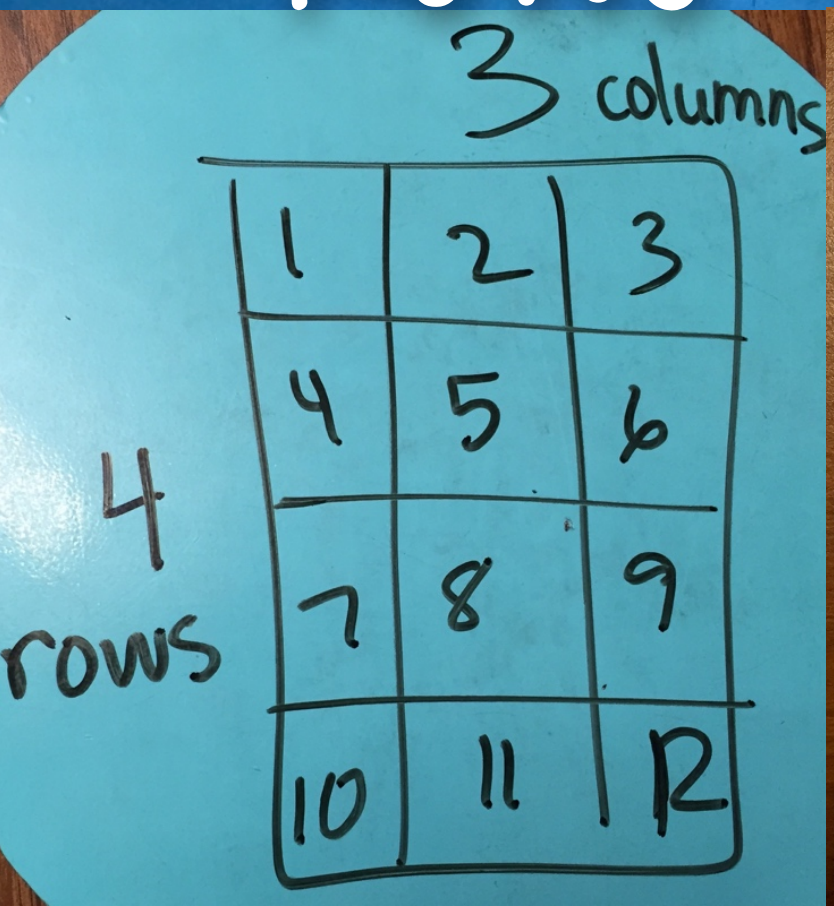
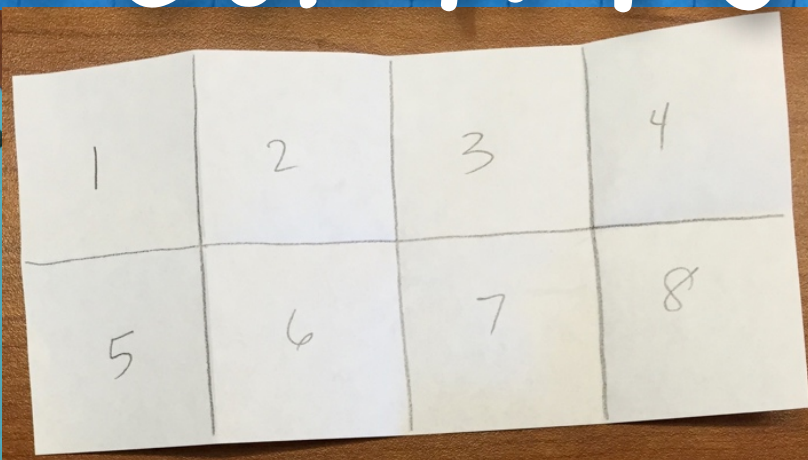
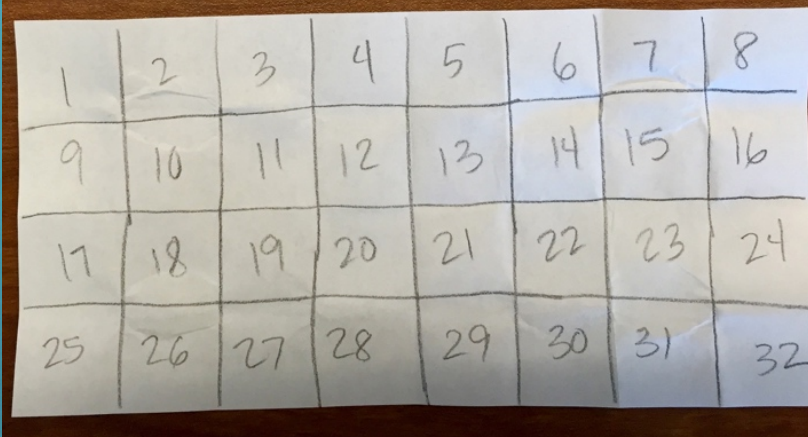
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Partition into Rows & Columns







Teacher Notes

Thank you for your purchase! This unit addresses Common Core Math Standard 2.G.2, which is all about partitioning rectangles into rows and columns and counting to find the total number of squares. Throughout this unit, students will learn how to fold a rectangle into equal size units, count the squares in a partitioned rectangle, partition a rectangle with scaffolding and partition a rectangle without scaffolding. Students will also create their own rectangles and count the squares through a class project. In addition, I've included some task cards for extra practice.

Useful YouTube Videos

Same Size Squares

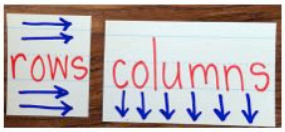
Partitioning Rectangles using Rows and Columns

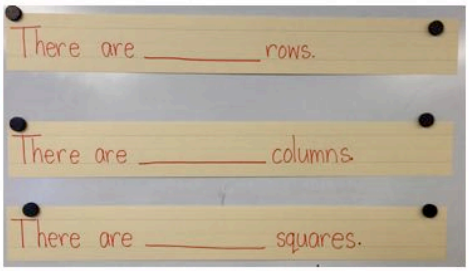
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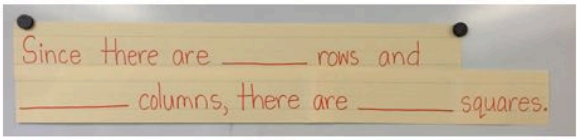
Sentence Frames

I use sentence frames and vocabulary cards in my room to help my English learners develop academic language. I usually just write them on sentence strips or chart paper.

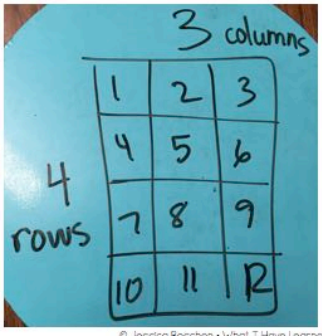




Start with easier sentence frames for students who many need simpler sentences. Then progress to a complex sentence for those students who can link the rows, columns and squares together.

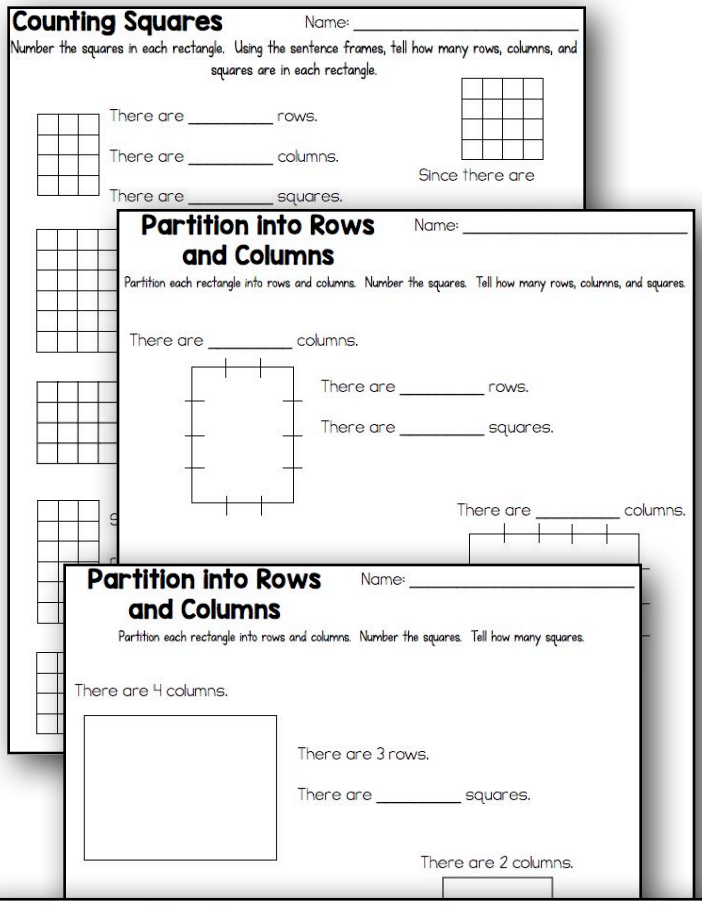


Another fun way to get some more practice is for students to use whiteboard markers on their desks. I tell students how many rows and how many columns. Students draw a rectangle, draw the rows and columns, then count to find the total. I also have students tell their partners the rows, columns and squares in complete sentences. An alternative is to give partners different sets of rows / columns as well.



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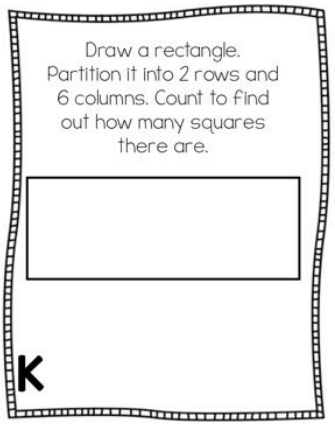
Scaffolded Practice Sheets

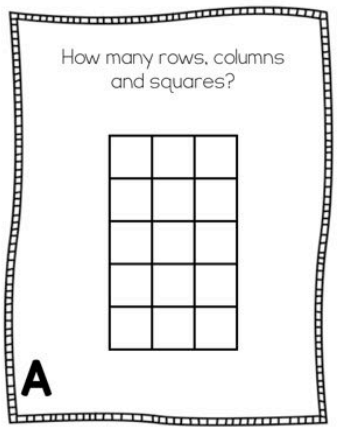


Task Cards

Use the following task cards to provide additional practice with partitioning rectangles and counting squares. There are 24 cards.

I suggest that the cards be laminated so that students can use a whiteboard marker on them when counting and drawing lines

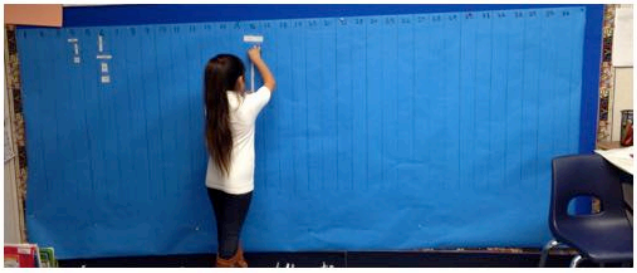




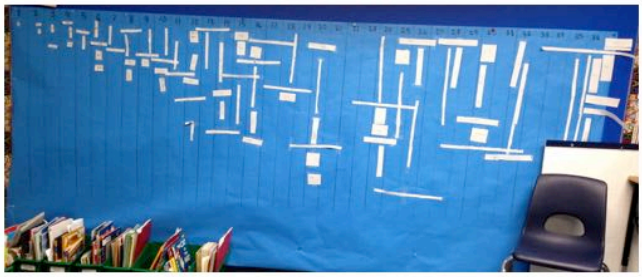
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Partitioning Project

I have used this project for years to help students understand area models and multiplication. I create a larger chart for third graders (seen below), but for second graders, I create a chart that goes up to 25.



When completed, the chart looks something like the below version. My goal in second grade is for students to know how to partition a rectangle and count rows and columns. This project gives students practice working with area models, rows and columns.



An [illegible] to [illegible] and lab [illegible] of th[illegible] multi[illegible] to 25. [illegible]hen glu[illegible] their I[illegible]ctive [illegible]books. [illegible]ach multi[illegible]. For [illegible] the [illegible]bers[illegible]8, [illegible]0, 12, 15, [illegible]0, [illegible]4, 25.

PREVIEW

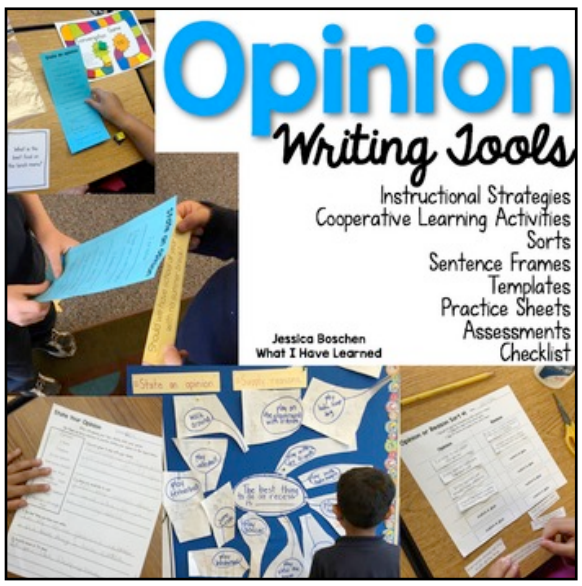
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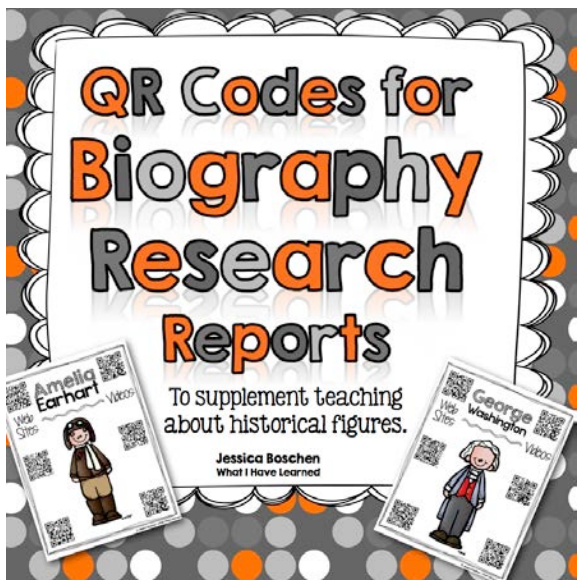
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