Classroom Seating Plan

2nd Grade Math Project · School & Community

Grade 2 · Remedial

Name: _____ Date: _____ Class: _____

The Challenge

Our class is hosting a reading party! Plan partners for games and set up the chairs in neat rows.

You will make: Seating Plan

I can…

- I can tell if a group up to 20 is odd or even by making pairs.
- I can write an even number as two equal addends.
- I can find the total in an array and write a repeated-addition equation.

Materials

- Pencil
- Counters
- Grid paper

Steps

1. Part 1: Partners
2. Part 2: Doubles
3. Part 3: Chair Arrays
4. Part 4: Seating Plan
5. Check your work and share your seating plan.

Look for the yellow Hint boxes. They show a first step.

Part 1: Partners

Each group of children needs partners.

1. A group has 10 children. Can everyone have a partner? Is 10 odd or even?

Hint: Make pairs with counters.

2. A group has 7 children. Can everyone have a partner? Is 7 odd or even?

Hint: Make pairs with counters.

Part 2: Doubles

Write each even number as two equal addends.

3. 10 = ___ + ___

Hint: Split into two equal rows.

4. 8 = ___ + ___

Hint: Split into two equal rows.

Part 3: Chair Arrays

Chairs are set in 3 rows with 4 chairs in each row.

5. How many chairs are there?

Hint: Add 4 for each row.

6. Write a repeated-addition equation for the rows.

Hint: One addend for each row.

7. Write a repeated-addition equation for the columns.

Hint: One addend for each column.

Part 4: Seating Plan

Draw your seating plan as an array on grid paper.

8. How many rows and how many chairs in each row? Write the equation.

Hint: Frame: “I made __ rows of __, so __ + __ … = __.”

Extension Challenge

Two more rows of the same size are added. How many chairs now?

How your project will be scored

Learning target	4 Exceeds	3 Meets	2 Approaching	1 Beginning
I can tell if a group up to 20 is odd or even by making pairs.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can write an even number as two equal addends.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can find the total in an array and write a repeated-addition equation.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can explain my thinking with pictures, numbers and words.	Clear for every part	Clear for most parts	Some explanation	Little explanation
My seating plan is complete and matches my math.	Complete, neat, accurate	Complete	Partly complete	Not complete