17 ÷ 5 = 3 R 2

Party Planner

4th Grade Math Project · Events & Planning

Grade 4 · Advanced

Name: _____ Date: _____ Class: _____

The Challenge

Your school is throwing a celebration, and you are in charge of the plan. Planners divide all the time, and they always have to decide what to do with the leftovers.

You will make: Party Plan

What you will learn

- Divide multi-digit numbers by one-digit numbers.
- Interpret remainders in word problems.
- Check division with multiplication.
- Solve multistep problems.

Materials

- Scratch paper
- Counters or base-ten blocks (optional)
- Planning sheet (make a table)

How to do it

1. Part 1: Seating the Guests
2. Part 2: Sharing Stickers
3. Part 3: Juice Boxes
4. Part 4: Balloon Bunches
5. Check your work and share your party plan.

Part 1: Seating the Guests

1,358 guests are coming. Each table seats 8 guests.

1. Divide. Write the quotient and the remainder.

2. How many tables are needed so that everyone has a seat? Explain.

3. Check with multiplication.

Part 2: Sharing Stickers

You have 2,350 stickers to share equally among 7 party bags.

4. How many stickers go in each bag?

5. How many stickers are left over?

6. In this problem, what do you do with the remainder?

Part 3: Juice Boxes

You need 1,500 juice boxes. They are sold in packs of 9.

7. How many packs must you buy? Show your division.

8. How many extra juice boxes will you have?

Part 4: Balloon Bunches

There are 3,248 balloons. Each bunch has 8 balloons.

9. How many bunches can you make?

10. Is there a remainder? What does that tell you about the two numbers?

11. Write your party plan: tables, bags, packs and bunches.

⭐ Extension Challenge

Write your own party division story in which the remainder IS the answer. Solve it.

How your project will be scored

Category	4 Excellent	3 Good	2 Developing	1 Beginning
Math accuracy	All answers correct	Most answers correct	Some answers correct	Few answers correct
Shows work	Clear work for every step	Work for most steps	Some work shown	Little work shown
Explains thinking	Clear, complete explanations	Mostly clear explanations	Some explanation	Little explanation
Final product	Complete, neat and creative	Complete and neat	Partly complete	Not complete