17 ÷ 5 = 3 R 2

Party Planner

4th Grade Math Project · Events & Planning

Grade 4 · Standard

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

134 guests are coming. Each table seats 6 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 475 stickers to share equally among 9 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 260 juice boxes. They are sold in packs of 8.

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 252 balloons. Each bunch has 6 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

A number of cupcakes is divided into boxes of 6 and leaves a remainder of 4. There are between 40 and 50 cupcakes. How many could there be?

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