School Fun Fair

3rd Grade Math Project · Events & Planning

Grade 3 · Advanced

Name: _____ Date: _____ Class: _____

The Challenge

The school is holding a fun fair! Your team plans tickets, prizes, sales and the balloon budget.

You will make: Fun Fair Plan

I can…

- I can multiply and divide within 100 to solve equal-group problems.
- I can add and subtract within 1,000 and round to estimate.
- I can write and solve two-step equations and check that the answer is reasonable.

Materials

- Pencil
- Booth cards
- Poster paper

Steps

1. Part 1: Tickets (Unit 1)
2. Part 2: Prizes (Units 2–3)
3. Part 3: Sales (Unit 4)
4. Part 4: Budget (Unit 5)
5. Part 5: Prize Plan
6. Check your work and share your fun fair plan.

Part 1: Tickets (Unit 1)

Each child buys a strip of 9 tickets. 9 children buy strips at the first table.

1. How many tickets were sold at the first table?

2. Use a strategy to check 9 × 9.

Part 2: Prizes (Units 2–3)

72 prizes are shared equally among 8 booths.

3. How many prizes does each booth get?

4. Write the fact family.

Part 3: Sales (Unit 4)

Morning sales were 486 tickets and afternoon sales were 397 tickets.

5. How many tickets were sold in all?

6. How many more tickets were sold in the morning?

7. Round each number to the nearest 100 and estimate the total. Is your exact total reasonable?

Part 4: Budget (Unit 5)

Each booth needs 3 bags of 20 balloons, and a bag costs 4 dollars.

8. Write an equation with b for the balloons needed for all 8 booths.

9. Solve for b.

10. How much do all the bags cost?

Part 5: Prize Plan

The fair has 300 dollars for prizes. Small prizes cost 3 dollars and big prizes cost 9 dollars.

11. Each booth needs the same number of big prizes and 6 small prizes. How many big prizes can each of the 8 booths get?

12. Explain how you know your answer stays within the budget.

Extension Challenge

If 30 more tickets are sold in the evening, what is the new total? Round it to the nearest 10.

How your project will be scored

Learning target	4 Exceeds	3 Meets	2 Approaching	1 Beginning
I can multiply and divide within 100 to solve equal-group problems.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can add and subtract within 1,000 and round to estimate.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can write and solve two-step equations and check that the answer is reasonable.	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 fun fair plan is complete and matches my math.	Complete, neat, accurate	Complete	Partly complete	Not complete