

# THE LITTLE PRINCE

## MATH: Rose Festival Adventure Travel Budget

### Students will

- Use mathematical operations to solve real-world situations related to travel and budgeting.
- Utilize a chart to record costs and analyze data to answer comprehension questions.
- Compare travel options and justify their financial choices using addition, multiplication, and estimation.

### Copies for Each Student

- The Story of the Opera
- Activity Worksheet – **Part I: Travel Budget Chart**
- Activity Worksheet – **Part II: Data & Reflection**

### For the Teacher

- The Story of the Opera
- Activity Worksheet **Parts I & II**
- Sample Answer Key
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### Getting Ready

Gather pencils and extra notebook paper for notes or calculations.

**Instructional Time** – One 45-minute class period

### Introduction

Read “The Story of the Opera” with the class. Tell students: “Imagine that when The Little Prince encounters the garden of roses on Earth that are just like his rose on his home planet, he is not only sad, but in disbelief. He wonders if there are other places on Earth with roses like his. He decides to find out for himself by planning a trip to a Rose Festival.

**Guided Practice/Independent Practice (30 minutes)**

Explain to students that they will help The Little Prince build a travel budget to attend the Rose Festival.

**Part I:** Building the Travel Budget as The Little Prince- Example Provided.

1. Distribute **Part I:** Travel Budget Chart
2. Students will choose one option per category (Travel, Hotel, Food, Rose Festival Ticket, and Souvenirs) with a budget of \$2000.00.
3. Have them record each cost in the chart and calculate the total cost of The Little Prince's trip. For Grades 5-8, have students calculate the total with an additional 8% tax. They will need notebook paper to show their work.
4. Advanced Students Extension (Grade 7&8) If time allows, have students create a New Travel Budget with all of the options they would like and calculate the cost of their dream trip to the Rose Festival.

**Part II:** Analyze & Reflect

1. Students answer data questions on the **Part II** worksheet.
2. They will also create a bar graph comparing the costs of each category.
3. Review one or two questions as a class.

**Evaluation**

1. Were students able to complete the chart in **Part I** with accurate totals?
2. Were students able to answer the questions from **Part II** with at least 80% accuracy?
3. Did students use appropriate mathematical reasoning to explain their choices?

**For Further Study**

In small groups, have students write three new math word problems based on their charts for another group to solve. Example: "If The Little Prince stayed 2 extra nights at the hotel, how much would his total increase?" Have the groups swap problems and solve them.

**Teacher Notes / Extensions**

- For advanced students, introduce percentage discounts or currency conversions for a higher challenge.
- Encourage students to reflect on how math helps them make real-world decisions when at home, school, and traveling.

**TEKS**

**3.1 / 4.1 / 5.1 / 6.1 Mathematical Process Standards:** Apply mathematical process standards to solve everyday problems using reasoning, representation, and communication.

**3.4 / 4.4 / 5.4 / 6.3 Number and Operations:** Use operations (+, −, ×, ÷) to solve one- and multi-step real-world problems, including cost calculations and budgeting.

**3.9 / 4.10 / 5.10 / 6.14 Personal Financial Literacy:** Apply math concepts to manage financial resources (spending, saving, budgeting). Evaluate financial decisions in context.

**3.8 / 4.9 / 5.9 / 6.12 Data Analysis:** Organize and interpret data in charts and tables to answer questions and justify conclusions

**7.1 / 8.1 Mathematical Process Standards:** Apply mathematics to solve real-world problems using reasoning and communication.

**7.4 / 8.5 Proportionality and Operations:** Use proportional reasoning and rational numbers to solve problems, including rates, ratios, and currency conversions.

**7.11 / 8.10 Data Analysis:** Organize and interpret data in tables, charts, and graphs to make informed decisions.

**7.13 / 8.12 Personal Financial Literacy:** Develop and manage a budget; compare costs and evaluate financial choices using real data.

## The Story of the Opera

A young pilot introduces himself to the audience. He explains how grown-ups never really understood him and that now, as an adult, he earns a living soaring through the sky. The stars sing to him as he glides through the air, but, despite the pleasant atmosphere, he suddenly loses control of his plane and crashes into the Sahara Desert.

The pilot looks over the damage and begins to try and fix the plane. But just as he grabs his tools, he's interrupted by a small boy who curiously asks the pilot to draw a sheep. Though confused at first, the pilot comes to know the boy as "the Little Prince," and, slowly, the prince reveals his unusual story.

We learn the prince was once the proud owner of a tiny asteroid, where he cared for a lovely rose whom he adored but who was also very difficult to please. She challenged him to leave his home and gain more wisdom in order to be able to take care of her better, and so... he set out to visit some neighboring planets. During his travels he met several strange adults, including a king, a vain man, a drunkard, a businessman, and a lamplighter. After meeting these men, the Little Prince—not quite satisfied with what he'd discovered so far—decided to journey to planet Earth.

The prince continues his story while the pilot listens. On Earth, the prince says, he met a slithering snake who claimed that his deadly poison could "ease" all the prince's worries. The Little Prince then encountered a garden full of roses and cried at the thought that his own rose might merely be one out of a million other common flowers.

The prince resumes his tale. Soon after meeting the roses, he adds, he was comforted by a friendly fox. The fox, who begged the prince to tame her and make her his own, gently explained that everything worthwhile is invisible and that such things cannot be touched, but can only be felt with the heart. She also told him that the bonds of love are what make all things—including ordinary flowers—uniquely special.

The pilot then cuts off the prince's story, saying that the two of them will need water if they are to continue to survive in the desert. Exhausted, they travel to a spot directly beneath the prince's planet (which sits high in the night sky) and discover a well. As they collect cool water from the crystal-clear well, the pilot realizes his friendly affection for the prince and begins to understand the fox's message.

Still, the prince longs to return to his rose as he has promised. Will the tired and weary Little Prince make it home? Will the pilot be able to keep the prince's lessons in his heart if the Little Prince disappears?

*Synopsis Courtesy of Washington National Opera*

Name \_\_\_\_\_

Date \_\_\_\_\_

## Activity Worksheet

### Part I: Travel Budget Planner

#### Directions:

Help The Little Prince plan his trip to the Rose Festival! Choose one option from each category and calculate the total travel budget. The budget for the trip is \$2000.00 for the first assignment. Use a separate sheet of notebook paper to show your work. Answer the questions that follow in Part II.

Travel Need Category	Option 1	Option 2	Option 3	Cost Chosen
Airplane Ticket	Economy Flight – \$750	Mid-tier Flight – \$1,050	Premium Flight – \$1,500	_____
Hotel (3 nights)	Budget Inn – \$90/night	City Hotel – \$140/night	Luxury Tower – \$220/night	_____
Meals	Local Shops – \$25/day	Festival Food – \$40/day	Restaurant Dining – \$60/day	_____
Rose Festival Ticket	Stadium Seat – \$65	Standard Seat – \$95	VIP Experience – \$150	_____
Souvenirs	Small Keychain – \$10	T-shirt – \$25	Forever Rose Box – \$50	_____
<b>Total Estimated Cost:</b>				\$ _____

Name \_\_\_\_\_

Date \_\_\_\_\_

## Part II: Data & Reflection

### Directions:

Use your chart from **Part I** to answer the following questions.

1. Which category had the highest from the trip? How much? \_\_\_\_\_
2. Which category had the lowest for the trip? How much? \_\_\_\_\_
3. If the Prince only saved \$1,200, how much more money would he need for your trip total?  
\_\_\_\_\_
4. Create a bar graph comparing the costs of each category.
5. Write 2–3 sentences explaining how The Little Prince could save money and still enjoy the Rose Festival.

## Sample Answer Key

### Part I: Travel Budget Planner

Travel Need Category	Option Chosen	Cost	Show Your Work
Airplane Ticket	Economy Flight	\$750	\$750
Hotel (3 nights)	City Hotel	\$420	$\$140 \times 3 = \$420$
Meals	Local Shops	\$75	$\$25 \times 3 = \$75$
Rose Festival Ticket	Standard Seat	\$95	\$95
Souvenirs	Forever Rose Box	\$50	\$50
<b>Total Estimated Cost</b>		<b><u>\$1,390</u></b>	<u>\$1,390 (sum of categories)</u>
<b>Tax (add 8%) Extension for 5th- and 6th-grade students.</b>		\$111.20	$\$1,390 \times 8\% = \$111.20$
<b>Total with Tax</b>		<b><u>\$1,501.20</u></b>	<u><math>\\$1,390 + \\$111.20 = \\$1,501.20</math></u>

### Part II: Data & Reflection

1. Highest cost: Airplane Ticket (\$750)
2. Lowest cost: Souvenir (\$50)
3. Needs \$301.20 more than his \$1,200 budget
4. [Bar graph drawn by student]
5. *"The Little Prince could save by staying in a smaller hotel and choosing local street food instead of restaurants. He can still enjoy the Rose Festival while keeping costs low."*

**Sample Answer Key for Part I: New Travel Budget**

Category	Option A (Low)	Option B (Medium)	Option C (High)	Student's Choice	Cost
Flight	\$250	<b>\$400</b>	\$550	B	\$400
Hotel (per night)	<b>\$80</b>	\$120	\$180	A	\$240
Food (per day)	<b>\$20</b>	\$35	\$50	A	\$60
Rose Ticket	\$40	<b>\$75</b>	\$120	B	\$75
Souvenirs	\$10	<b>\$25</b>	\$50	B	\$25
<b>Total Trip Cost:</b>					<b>\$800</b>