

LOAD THE BUS

6TH GRADE PROJECT RUBRIC

Name _____

Total Points _____

	ABOVE STANDARD	MET STANDARD	BELOW STANDARD
MATHEMATICAL CONTENT	Calculates the cost of field trips without errors 40 points	Calculates the cost of field trips with few errors 30 points	Calculates the cost of field trips with multiple errors 20 points
MATHEMATICAL THINKING	Provides appropriate reasoning for add-on selections and field trip recommendations 15 points	Provides some reasoning for add-on selections and field trip recommendations 10 points	Does not provide reasoning for add-on selections and field trip recommendations 5 points
PARTICIPATION	Participates fully 15 points	Participates with minor redirects from teacher 10 points	Participates with major redirects from teacher 5 points
FOLLOWS TEACHER INSTRUCTIONS AND PROJECT CRITERIA	Follows directions and criteria fully 15 points	Follows directions and criteria with few errors 10 points	Follows directions and criteria with multiple errors 5 points
FINAL PRODUCT	Final product is well organized and includes all required details 15 points	Final product is somewhat organized and includes most required details 10 points	Final product lacks organization and is missing several required details 5 points

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LOAD THE BUS

6TH GRADE PROJECT RUBRIC

Name _____

Total Points _____

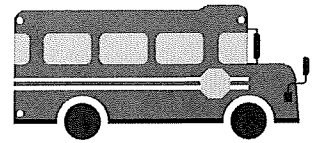
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STAGE 1: WARM-UP

Name: _____ Date: _____

Would you prefer to go on a field trip to a zoo, history museum, art exhibit, or nature center?
Explain your choice.



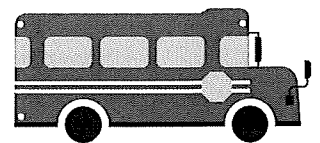
LOAD THE BUS: STAGE 1 WARM-UP

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STAGE 1: WARM-UP

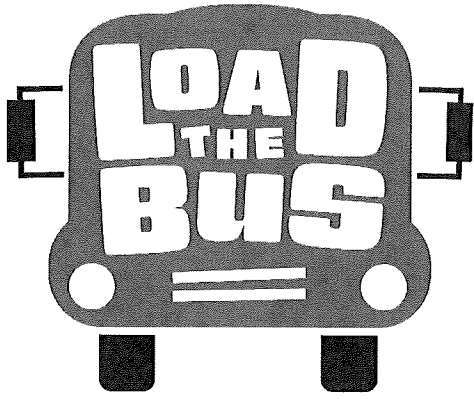
Name: _____ Date: _____

Would you prefer to go on a field trip to a zoo, history museum, art exhibit, or nature center?
Explain your choice.



LOAD THE BUS: STAGE 1 WARM-UP

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NAME: _____

DATE: _____

The school principal has asked your student council committee to plan the 5th grade field trip. The principal has provided your committee with three field trip options to consider and given you a budget of \$2,000. Your task is to research, calculate the costs of each field trip location, and create a presentation for your principal with your top recommendation. The 5th grade class is counting on you to plan an exciting educational trip!

PROJECT STAGES

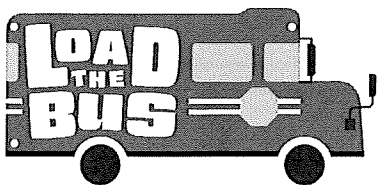
STAGE	EXPECTATION	DUE DATE
1: Intro and Research	Research the three field trip options and determine the total cost of tickets to each location.	
2: Calculating Costs	Determine the cost of bus transportation to each location and the total cost of each field trip.	
3: Summarize and Present	Consider additional items for the field trips and calculate the cost of the field trip per person. Then, summarize the information in a presentation for your principal with your top recommendation.	

PROJECT REQUIREMENTS

Your final product will be a presentation that includes the following:

1. Information about each field trip location
2. The total cost of each field trip
3. The amount each person will be required to pay for the field trip
4. Your top field trip recommendation for your principal

Be sure your presentation is engaging, informative and easy to understand. Apply your creativity and math skills as you present the recommendation to your principal.



STAGE 1
RECORDING
SHEET

NAME: _____

SCHOOL LOCATION: _____

SCHOOL NOTES:

FIELD TRIP #1: _____

DESTINATION NOTES AND INFORMATION:

TICKET PRICE PER PERSON	
# OF FIELD TRIP ATTENDEES	
TOTAL COST OF TICKETS	

WORK

FIELD TRIP #2: _____

DESTINATION NOTES AND INFORMATION:

Empty box for destination notes and information for Field Trip #2.

TICKET PRICE PER PERSON	
# OF FIELD TRIP ATTENDEES	
TOTAL COST OF TICKETS	

WORK

Empty box for work notes for Field Trip #2.

FIELD TRIP #3: _____

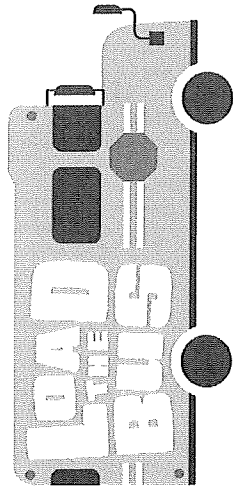
DESTINATION NOTES AND INFORMATION:

Empty box for destination notes and information for Field Trip #3.

TICKET PRICE PER PERSON	
# OF FIELD TRIP ATTENDEES	
TOTAL COST OF TICKETS	

WORK

Empty box for work notes for Field Trip #3.



SCHOOL INFORMATION

SCHOOL LOCATION:

Carrollton, Texas

OF FIELD TRIP ATTENDEES:

82

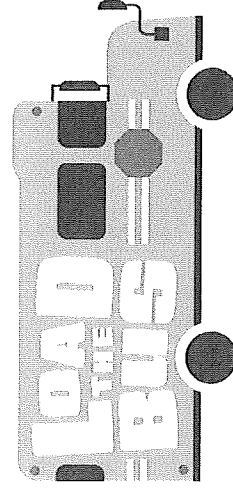
TRANSFORMATION INFORMATION

Bus service charges \$1.20 per mile

48 passengers per bus

FIELD TRIP OPTIONS + PRICING

1. Perot Museum - \$9.75 per person
2. Fort Worth Zoo - \$12.50 per person
3. Dallas World Aquarium - \$15.10 per person



SCHOOL INFORMATION

SCHOOL LOCATION:

Marietta, Georgia

OF FIELD TRIP ATTENDEES:

74

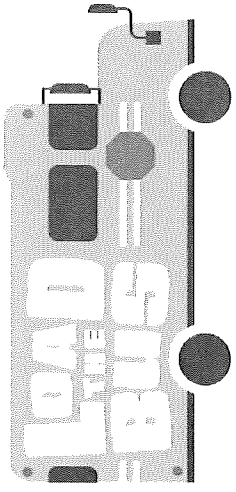
TRANSFORMATION INFORMATION

Bus service charges \$1.10 per mile

32 passengers per bus

FIELD TRIP OPTIONS + PRICING

1. Atlanta Botanical Gardens - \$12.20 per person
2. Atlanta History Center - \$8.75 per person
3. Zoo Atlanta - \$17.50 per person



SCHOOL INFORMATION

SCHOOL LOCATION:

Chandler, Arizona

OF FIELD TRIP ATTENDEES:

96

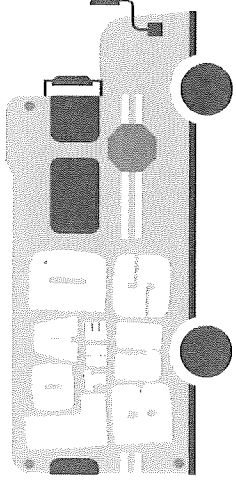
TRANSFORMATION INFORMATION

Bus service charges \$1.40 per mile

40 passengers per bus

FIELD TRIP OPTIONS + PRICING

1. Arizona Science Center – \$13.50 per person
2. Musical Instrument Museum – \$11.60 per person
3. Desert Botanical Gardens – \$9.35 per person



SCHOOL INFORMATION

SCHOOL LOCATION:

Chesterbrook,
Pennsylvania

OF FIELD TRIP ATTENDEES:

75

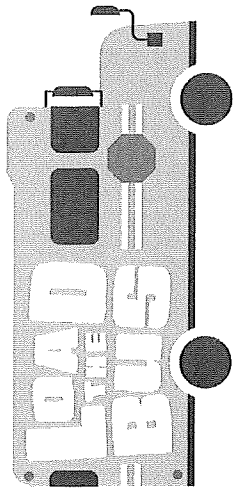
TRANSFORMATION INFORMATION

Bus service charges \$1.80 per mile

46 passengers per bus

FIELD TRIP OPTIONS + PRICING

1. The Franklin Institute – \$12.40 per person
2. Betsy Ross House – \$8.76 per person
3. Philadelphia Zoo – \$16.50 per person



SCHOOL INFORMATION

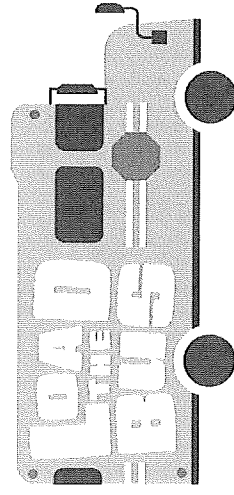
SCHOOL LOCATION: Mount Vernon, New York
OF FIELD TRIP ATTENDEES: 88

TRANSFORMATION INFORMATION

Bus service charges \$1.90 per mile
50 passengers per bus

FIELD TRIP OPTIONS + PRICING

1. American Museum of Natural History – \$10.70 per person
2. Central Park Zoo – \$14.50 per person
3. National Museum of Mathematics – \$8.65 per person



SCHOOL INFORMATION

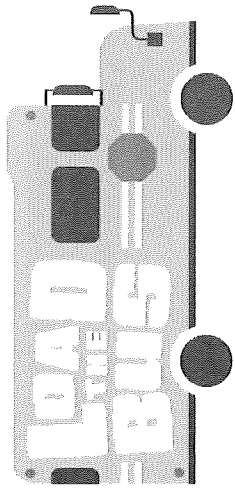
SCHOOL LOCATION: Oak Park, Illinois
OF FIELD TRIP ATTENDEES: 85

TRANSFORMATION INFORMATION

Bus service charges \$1.20 per mile
38 passengers per bus

FIELD TRIP OPTIONS + PRICING

1. Griffin Museum of Science & Industry – \$9.75 per person
2. Shedd Aquarium – \$15.40 per person
3. Adler's Planetarium – \$11.50 per person



SCHOOL INFORMATION

SCHOOL LOCATION:

Lucia, North Carolina

OF FIELD TRIP ATTENDEES:

72

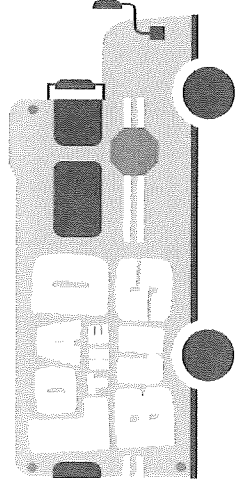
TRANSFORMATION INFORMATION

Bus service charges \$1.70 per mile

32 passengers per bus

FIELD TRIP OPTIONS + PRICING

1. Discovery Place Science - \$14.20 per person
2. NASCAR Hall of Fame - \$9.85 per person
3. Sea Life: Charlotte-Concord - \$18.50 per person



SCHOOL INFORMATION

SCHOOL LOCATION:

Belmont, California

OF FIELD TRIP ATTENDEES:

92

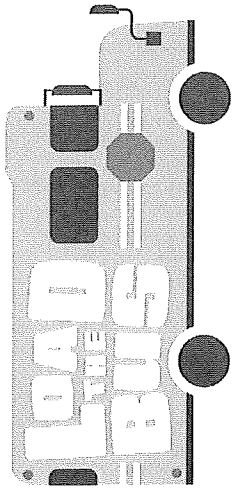
TRANSFORMATION INFORMATION

Bus service charges \$1.30 per mile

47 passengers per bus

FIELD TRIP OPTIONS + PRICING

1. Aquarium of the Bay - \$13.50 per person
2. Randall Museum - \$9.55 per person
3. San Francisco Zoo - \$11.20 per person



SCHOOL INFORMATION

SCHOOL LOCATION: # OF FIELD TRIP ATTENDEES:

Hastings, Massachusetts

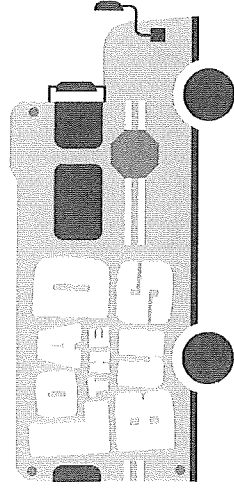
76

TRANSFORMATION INFORMATION

Bus service charges \$1.50 per mile
42 passengers per bus

FIELD TRIP OPTIONS + PRICING

1. Boston Tea Party & Ships Museum – \$17.50 per person
2. Franklin Park Zoo – \$13.20 per person
3. Boston Museum of Science – \$9.45 per person



SCHOOL INFORMATION

SCHOOL LOCATION: # OF FIELD TRIP ATTENDEES:

Fountain, Colorado

84

TRANSFORMATION INFORMATION

Bus service charges \$1.30 per mile
45 passengers per bus

FIELD TRIP OPTIONS + PRICING

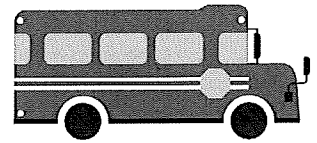
1. Cheyenne Mountain Zoo – \$16.50 per person
2. Cave of the Winds – \$12.80 per person
3. Manitou Cliff Dwellings – \$7.65 per person



STAGE 2: WARM-UP

Name: _____ Date: _____

The Monroe family is on a vacation in Washington D.C. and wants to take a taxi from their hotel to the Lincoln Memorial. The taxi company charges \$2.10 per mile. If the driving distance from the hotel to the Lincoln Memorial is 14.3 miles, how much will the Monroe family pay round trip for the taxis?



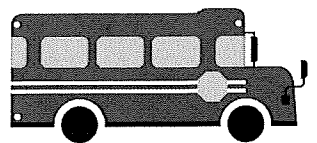
LOAD THE BUS: STAGE 2 WARM-UP

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STAGE 2: WARM-UP

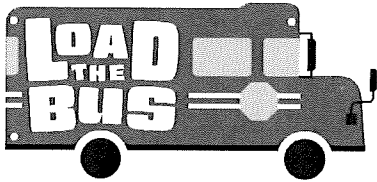
Name: _____ Date: _____

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LOAD THE BUS: STAGE 2 WARM-UP

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NAME: _____
SCHOOL CITY: _____

STAGE 2
RECORDING
SHEET

TRANSPORTATION INFORMATION:

# OF FIELD TRIP ATTENDEES	
# OF PEOPLE PER BUS	
# OF BUSES NEEDED	

NOTES AND CALCULATIONS:

FIELD TRIP #1: _____ TO _____

MILES TRAVELED (ROUND TRIP)	BUS PRICE PER MILE	TOTAL COST PER BUS	TOTAL COST OF TRANSPORTATION

WORK

TOTAL COST OF FIELD TRIP (TICKETS + TRANSPORTATION): \$ _____

AMOUNT REMAINING IN FIELD TRIP BUDGET: \$ _____

FIELD TRIP #2: _____ **TO** _____

MILES TRAVELED (ROUND TRIP)	BUS PRICE PER MILE	TOTAL COST PER BUS	TOTAL COST OF TRANSPORTATION

WORK

TOTAL COST OF FIELD TRIP (TICKETS + TRANSPORTATION): \$ _____

AMOUNT REMAINING IN FIELD TRIP BUDGET: \$ _____

FIELD TRIP #3: _____ **TO** _____

MILES TRAVELED (ROUND TRIP)	BUS PRICE PER MILE	TOTAL COST PER BUS	TOTAL COST OF TRANSPORTATION

WORK

TOTAL COST OF FIELD TRIP (TICKETS + TRANSPORTATION): \$ _____

AMOUNT REMAINING IN FIELD TRIP BUDGET: \$ _____

STAGE 2: EXIT TICKET

Name: _____ Date: _____

After your calculations, does the cost of the field trips impact your recommendation to the principal? Why or why not?

LOAD THE BUS: STAGE 2 EXIT TICKET

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STAGE 2: EXIT TICKET

Name: _____ Date: _____

After your calculations, does the cost of the field trips impact your recommendation to the principal? Why or why not?

LOAD THE BUS: STAGE 2 EXIT TICKET

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STAGE 2: EXIT TICKET

Name: _____ Date: _____

After your calculations, does the cost of the field trips impact your recommendation to the principal? Why or why not?

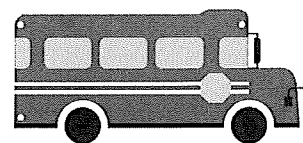
LOAD THE BUS: STAGE 2 EXIT TICKET

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STAGE 3: WARM-UP

Name: _____ Date: _____

A school has money remaining in their field trip budget after paying for tickets and transportation. List 3 recommendations of ways the school might choose to utilize the extra funds.



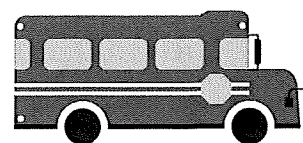
LOAD THE BUS: STAGE 3 WARM-UP

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STAGE 3: WARM-UP

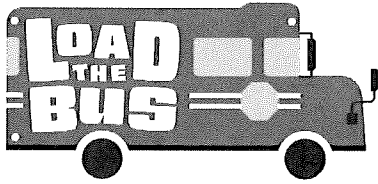
Name: _____ Date: _____

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LOAD THE BUS: STAGE 3 WARM-UP

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STAGE 3
RECORDING
SHEET

NAME: _____

SCHOOL LOCATION: _____

FIELD TRIP #1: _____

TOTAL COST (BEFORE ADD-ONS): _____ AMOUNT REMAINING IN BUDGET: _____

DESCRIPTION OF ADD-ON ITEM	TOTAL COST OF ADD-ON ITEM
TOTAL COST OF ADD-ON ITEMS	
TOTAL COST OF FIELD TRIP	

WORK

FIELD TRIP #2: _____

TOTAL COST (BEFORE ADD-ONS): _____ AMOUNT REMAINING IN BUDGET: _____

DESCRIPTION OF ADD-ON ITEM	TOTAL COST OF ADD-ON ITEM
TOTAL COST OF ADD-ON ITEM	
TOTAL COST OF FIELD TRIP	

WORK

FIELD TRIP #3: _____

TOTAL COST (BEFORE ADD-ONS): _____ **AMOUNT REMAINING IN BUDGET:** _____

DESCRIPTION OF ADD-ON ITEM	TOTAL COST OF ADD-ON ITEM
TOTAL COST OF ADD-ON ITEM	
TOTAL COST OF FIELD TRIP	

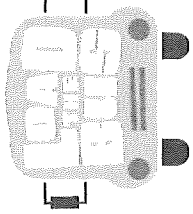
WORK

TOTAL COST INFORMATION:

FIELD TRIP LOCATION			
TOTAL COST OF FIELD TRIP			
COST PER PERSON			

CALCULATIONS

TOP RECOMMENDATION FOR THE PRINCIPAL



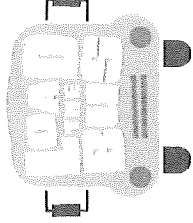
Field Trip

ADD-ON ITEMS + PRICING

ADD-ON

PRICING

Class t-shirt	\$10.50 per person
Souvenir poster	\$7.50 per person
Fast food lunch	\$5.75 per person
Ice cream treat	\$3.50 per person
Keepsake photograph	\$8.35 per person
Souvenir keychain	\$4.75 per person
Popcorn snack	\$2.75 per person
Custom drawstring backpack	\$11.40 per person



Field Trip

ADD-ON ITEMS + PRICING

ADD-ON

PRICING

Class t-shirt	\$10.50 per person
Souvenir poster	\$7.50 per person
Fast food lunch	\$5.75 per person
Ice cream treat	\$3.50 per person
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