

# Problem-Solving Decision: Explain Your Solution

**Problem** The teachers at West Elementary School are planning a field trip for 385 students. It will cost \$1,750 for transportation and \$3,080 for tickets to the museum. If the teachers charge each student \$12, will they have enough money to cover the costs of the field trip?

**UNDERSTAND**

What is the question?  
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How many students are going on the field trip?  
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What is the cost for:

a. transportation? \_\_\_\_\_

b. museum tickets? \_\_\_\_\_

How much do the teachers plan to charge each student?  
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**PLAN**

How could estimating help solve the problem? \_\_\_\_\_

**SOLVE**

Find the total cost of the trip.  
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Estimate the amount of money the teachers will collect from the students.  
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Did you solve the problem? If not, find an exact answer.  
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What is the solution?  
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**LOOK BACK**

Explain why your solution needed to be exact or why an estimate was sufficient.  
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