

# Math Problem Statements

Read the statements before you read the problem, then read the problem to determine whether you agree or disagree with them, and why. Discuss your answers and resolve your differences. Solve the problem then explain your work:

- |  | Agree                    | Disagree                 |
|--|--------------------------|--------------------------|
| 1. The problem is asking you to find the number of adults attending the Owens-Faulkner family reunion. | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. A child's ticket would cost less than an adult's ticket.  | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. The second and third sentences in the problem contain irrelevant information.                       | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. You do not need to know the cost of one child's ticket in order to solve the problem.               | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. The guess-and-check strategy would be useful in solving this problem.                               | <input type="checkbox"/> | <input type="checkbox"/> |

The Diaz Family went to the Dizzy Amusement Park.  
The tickets cost \$73.00 for 3 adults and 5 children.  
The Anderson family paid \$93.00 for 7 adults and 2 children.  
The Owens-Faulkner family reunion will need tickets for 55 adults and 53 children. What will be the total cost for the Owens-Faulkner family reunion to enter the amusement park?

Solve Problem	Explain Work
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Key

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\* We know that the adult ticket has to cost more and that the cost per ticket on average has to be somewhere around \$10.00

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<p>Solve Problem</p> $11 \times 3 = 33$ $8 \times 5 = 40$ $40 + 33 = \$73$ <hr/> $11 \times 7 = 77 \quad 77 + 16 =$ $8 \times 2 = 16 \quad \$93$ <p>adults = \$11      children = \$8</p> $\begin{array}{r} 11 \\ \times 55 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ \times 53 \\ \hline \end{array}$	<p>Explain Work</p> <p>* <u>Guess and check</u> to find the amount each adult / child ticket costs first; then calculate to find the total for 55 adults + 53 children.</p>
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\$605 + \$424  
\$1029