

High Flyin' Problem Solving Board

On an airplane that is two-thirds full, 20% of the passengers are women, one-fourth of the passengers are boys, one-eighth of the passengers are men, and there are 68 girls. How many seats are on the plane?

Understand the Problem (list what you know, what you need to know, organize your information, etc.)

Devise a Plan (some possible strategies are listed)

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| ☐ Draw a picture | ☐ Work a simpler problem |
| ☐ Look for a pattern | ☐ Work backwards |
| ☐ Guess and check | ☐ Eliminate possibilities |
| ☐ Act it out | ☐ Use a matrix |
| ☐ Make a table/list | ☐ Use Algebra |

Carry Out the Plan

Review the Results