



Work Backwards Practice

Solve each problem.

Problem:

Miguel, Briana, and Jackie made fruit punch for a small party. Miguel poured all 32 ounces of his punch into Briana's pitcher of punch. When Jackie added her punch to the pitcher it doubled the amount that was already there. Miguel, Briana, and Jackie drank 48 ounces. There were 80 ounces left for the other guests. How much fruit punch did each one make?

Understand the problem/plan:

What are you trying to find?

What do you know?

Organize the information to solve. Explain your reasoning.

Solution



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Problem:

Jamal, Stan, and Tasha planned their trip to math camp. Tasha had to travel 5 more miles than Stan. Jamal had to travel $\frac{1}{2}$ the distance Stan traveled. Jamal traveled 50 miles. How far did Tasha travel?

Understand the problem/plan:

What are you trying to find?

What do you know?

Organize the information to solve. Explain your reasoning.

Solution



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Problem:

Jim is flying to visit a relative. His flight leaves at 12:30 P.M. It takes 45 minutes to drive from his house to the airport. Jim wants to be at the airport $1\frac{1}{2}$ hours before his flight leaves. When should Jim leave his house to go to the airport?

Understand the problem/plan:

What are you trying to find?

What do you know?

Organize the information to solve. Explain your reasoning.

Solution