

## The Birthday Party Problem

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Mrs. Foley needs to buy drinks for her daughter's birthday party. She wants to buy both apple juice and grape juice. Cans of apple juice are sold in 6-packs. Cans of grape juice are sold in 4-packs. Mrs. Foley needs to buy at least 26 but no more than 30 cans of juice. How many packs of apple juice might she buy? How many packs of grape juice might she buy? Show or explain how you got your answer.