

## Cheryl's Birthday

### Singapore's Math Olympiad problem for HS

Albert and Bernard just became friends with Cheryl and they want to know when her birthday is. Cheryl gives them a list of ten possible dates.

May 15	May 16	May 19
June 17	June 18	
July 14	July 16	
August 14	August 15	August 17

Cheryl then tells only Albert the month of her birthday and Bernard the day of her birthday respectively.

Albert states: "I don't know when Cheryl's birthday is but I know that Bernard does not know too."

Bernard states: "At first I didn't know when Cheryl's birthday is but now I know."

Albert states: "Then I also know when Cheryl's birthday is."

So when is Cheryl's birthday?

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