

The Children

The children enjoy visiting Ah Ma's house, especially during Chinese New Year.

1. 11 children are visiting Ah Ma's house. Ah Ma brings out 6 platters of traditional snacks, one at a time. Each platter contains 1 type of snack, either love letters or pineapple tarts. Each child eats at most one item from each platter, and all the snacks on each platter are eaten. (Also, each child ate at least one snack, as the snacks were too good to resist!)
2. In total, 28 snacks were eaten. The same number of love letters and pineapple tarts were eaten.
3. Exactly 4 platters had a prime number of snacks, and no platters had a number of snacks that was a power of 2. The third platter had an even number of snacks.
4. Diana and Jean each ate the same number of love letters (possibly zero). They also each ate the same number of pineapple tarts (possibly zero, and not necessarily the same as the number of love letters they each ate).
5. The children who ate from the last platter are a child who ate 3 snacks, Bernard, and Helen. Helen also ate from the first platter.
6. The 5 children whose names were alphabetically later (which includes Gemma) ate 4 more love letters than the other 6 children (which includes Cheryl), although they ate 4 fewer snacks in total.
7. Jean was the only child who didn't eat from any of the first 2 platters. Ivan did not eat from the fifth platter.
8. Bernard and Ivan were the only children to eat exactly 2 snacks.
9. Eloise was one of the 3 children who ate the most snacks. She did not eat the love letters from the third platter, however.
10. All the children who ate from the fourth platter also ate from the second and the fifth platter.
11. Alfred, Eloise, Fred and Kai Kai were the only children to eat from (two or more) consecutive plates.
12. Exactly 6 children ate only one type of snack. Bernard and Kai Kai ate both types of snacks.

At the end, the children thanked Ah Ma for the delicious morsels of food.

