Students, Count Off!! (B)

Students, Count Off!!

Possible Solution Strategy

Clue 1: # of students is odd

Clue 2: # of students must be one less than multiple of 5

Clue 3: Since multiples of 5 end in "0" or "5", then # of students must end in "4" or "9".

Clues 1/3: # of students must end in "9"

Students, Count Off!!

Possible Solution Strategy cont…

Numbers that end in "9"	Remainder is 1 when # is ÷ 2	Remainder is 2 when # is ÷ 3	Remain when
29	Yes	Yes	Yes
39	Yes	No	Ye
49	Yes	No	Ye
59	Yes	Yes	Ye
69	Yes	No	Ye
79	Yes	No	Ye
89	Yes	Yes	Ye
99	Yes	No	Ye
109	Yes	No	Ye
119	Yes	Yes	Ye

The pattern leads us to the following answer:
29, 59, 89, 119, 149, 179, 209, 239, 269, or 299 childrer