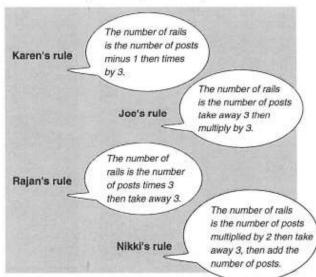
Four students are working on problems where they have to find rules. They each have found a rule connecting the number of rails and the number of posts in this sequence.

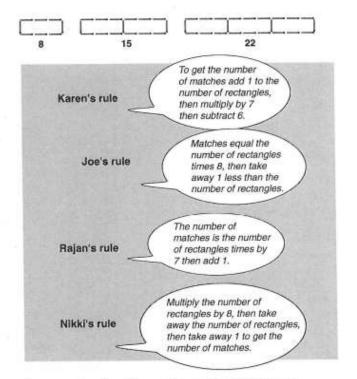




If r = number of rails and p = number of posts

Karen's rule can be written in algebra as r = 3(p-1)

- · Write the other three rules in algebra.
- . One of the student's rules is incorrect. Which one?
- Which rule looks the simplest?



If m = number of matches and r = number of rectangles

Karen's rule can be written in algebra as m = 7(r + 1) - 6

- Write the other three students' rules in algebra.
- One of the student's rules is incorrect. Which one?
- Which rule looks the simplest?