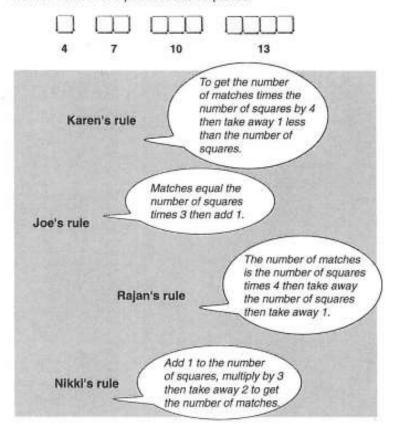
They each have found a rule to connect the number of matches with the number of squares in this sequence.

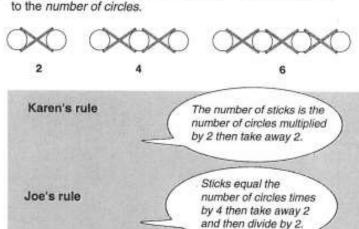


If m = number of matches and s = number of squares

Karen's rule can be written in algebra as m = 4s - (s - 1)

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

They each have found a rule to connect the number of sticks to the number of circles.



Rajan's rule

The number of sticks is the number of circles times by 4, divide by 2 then take away 2.

Nikki's rule

Take away 1 from the number of circles then multiply by 2 to get the number of sticks.

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

Look at some other sequences and try to write the same rule in different ways.