A Matter of Factor

You need counters (two colours) a classmate a photocopy of the game board

Activity

Stacey and Laird are playing a game of Factor.

Stacey goes first and covers 18 with a counter. Her score is 18.

18 has a lot of factors! I get 1+2+3+6+9=21 points.

counters to cover all the uncovered factors of 18.

It's Laird's turn to cover a number.

He chooses 15.

His score is now 21 + 15 = 36.

Stacey covers 5, the only factor of 15 not covered, so her score is now 18 + 5 = 23.

Stacey realises that she gave Laird a lot of points by choosing 18. This time she covers 17 on the board. (Her score is now 23 + 17 = 40.)

18 is a high number.

How many factors of 17 are left for Laird to cover?

