

Make Equal Groups – Sharing

Charles and Kendra are guessing each other's number. They have each chosen their number from this section of a number grid:

11	12	13	14	15
21	22	23	24	25
31	32	33	34	35



Kendra

My number can be shared into both two equal groups and three equal groups.



Charles

My number can be shared into four equal groups.

Explore the possible numbers both Kendra and Charles may have chosen.

The numbers on the grid that match Kendra's statement are 12 and 24. They can both be shared by 2 and 3. The numbers on the grid that match Charles' statement are 12, 24 and 32 as all these numbers can be shared into 4 equal groups.