


Make Equal Groups – Sharing


1. Amy, John and Cami are selling cookies for a charity event. Match their statements to the possible number of cookies sold to each of their customers.

Amy




I had 10 cookies and I sold them equally to more than 2 customers.

John




I had 24 cookies and I sold them equally to more than 2 but less than 7 customers.

Cami



I had 20 cookies. I gave each customer an equal amount but I forgot how many customers I had.



7

2

6

8

10


5

4

Explore how many cookies the different customers would receive from each person. Various answers, for example: Amy could have sold 2 cookies each to 5 people. John could have sold 4 cookies each to 6 people. Cami could have sold 10 cookies each to 2 people.


2. Charles and Kendra are guessing each other's number. They have chosen their number from this number grid.

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



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

Kendra



My number can be shared into four equal groups.

Charles

The only numbers of the grid that Kendra 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 groups.