

How Many Factors?

You need a classmate
 multilink cubes or square dot paper (optional)

Activity



Some numbers have six factors:
12 has the factors 1, 2, 3, 4, 6, and 12.




Some numbers have four factors:
10 has the factors 1, 2, 5, and 10.



Some numbers have three factors:
4 has the factors 1, 2, and 4.



Some numbers have two factors:
7 has the factors 1 and 7.



Find the factors for each of the whole numbers from 1 to 36.

Investigation

With a classmate, find ways to group these numbers, for example, those with only two factors and those with only three factors.

Discuss what each group has in common.