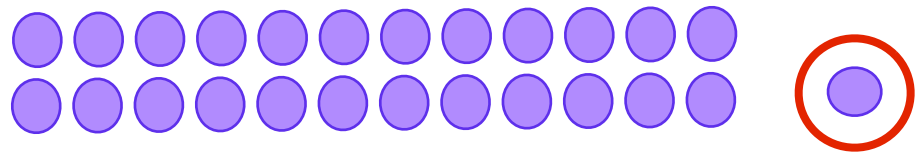
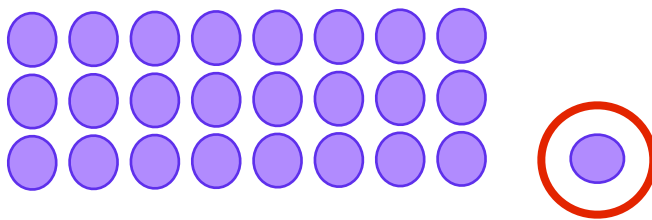


None Left Over

In the book *Remainder of One*, twenty-five bugs went for a march. They tried several groupings before they found a way to walk so the lines were all even and no bugs were left over.

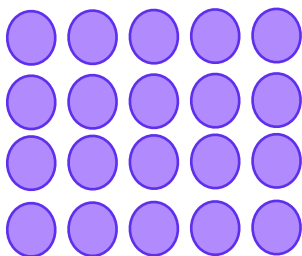
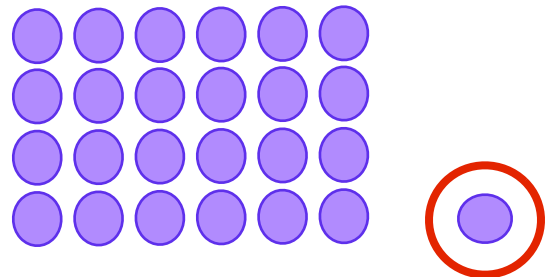


When they marched by 2s, one bug was left over.



When they marched by 3s, one bug was left over.

When they marched by 4s, one bug was left over.



When they marched by 5s, all the lines were even with no one left out! 5-5-5-5-5

Goal:

Figure out all the ways the bugs can group themselves so that each line is even and NO bugs are left over.

To do:

Draw a picture of the ways that 21 bugs can march so no bugs are left over. How can 30 bugs march so no bugs are left over? Is there more than one way? How many ways can you find?

