HOW MANY DANCERS FOR THE SQUARE DANCE?

Ms. Lovelace is organizing a square dance. At different times during the dance, the group of dancers will need to get into groups of two, four, six, and eight. If Ms. Lovelace wants to make all of these different sized groups without having any dancers left out, how many dancers will she need?

- Use cubes or counters to solve the problem above.
- Write your solution in the answer box.
- Draw a picture or pictures to prove your solution in the space below. Clearly show how your number of dancers might be split into the different sized groups.
- Write number sentences to explain your pictures.

**ANSWER BOX**

Ms. Lovelace should have ______ people dance for her squaredance.

**BONUS QUESTION:** Why do you think square dancers rarely get in groups of seven?