



## Problem of the Week

### Problem C

#### Last One Counts

Jayden has ten circles in a row. The circles are numbered from 10 to 19, in order, as shown. Once Jayden is on a circle, she can move two circles to the right or three circles to the left, as long as doing so lands her on one of the circles in the row. The first diagram shows that if she starts on circle 17, she could move to circle 19 or circle 14. The second diagram shows that if she starts on circle 11, she can only move to circle 13. This is because going left three would land her on circle 8 which is not a valid circle.

If Jayden starts on circle 10 and visits every circle exactly once, what is the number on the last circle that she visits?

