

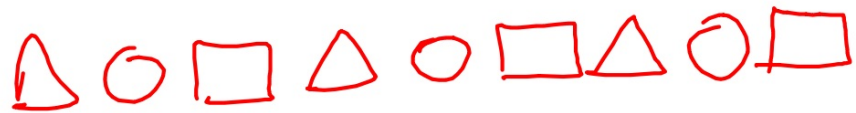
Finding the "nth" term in a repeat

## Connect

In third grade you learned how to figure out a rule for a pattern like:



I do



**We do**

1 A

2 C

3 X

4 P

5 F

6 A

7 C

8 X

9 P

10 F

## You do together on whiteboard

Samantha's class goes through specials in the following rotation

Day 1 - PE

Day 2 - Music

Day 3 - Art

Day 4 - Innovation

Day 5 - PE

Day 6 - Music

Day 7 - Art

Day 8 - Innovation

And so on.

What special will Samantha's class go to on the 100th day of school?

## You do alone on index card

For his New Year's resolution, Nya wants to follow this workout schedule

Day 1 - run

Day 2 - yoga

Day 3 - bike riding

Day 4 - weight lifting

Day 5 - rest day

Day 6 - swimming

then repeat.

What workout will she do on the 50th day of the year?