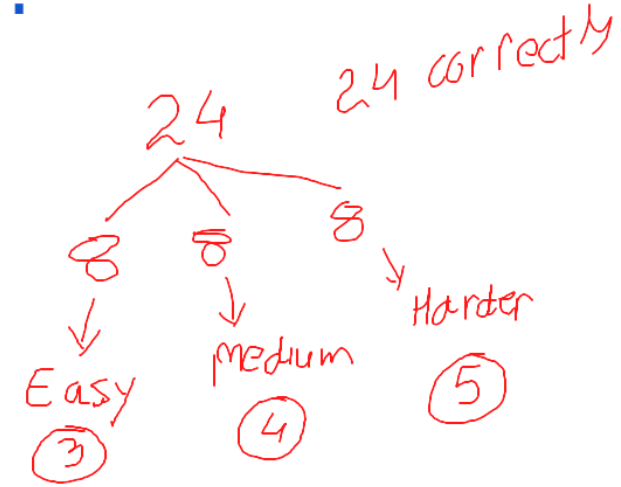


What is Math Kangaroo?



The Math Kangaroo competition is a test.

Patterns

A pattern is the way objects are arranged. You can create patterns with shapes, numbers, and colors. When you create a pattern, you arrange them according to a **rule**

Main types of patterns in Math Kangaroo: addition, subtraction, picture, color or event patterns.

- Repeating

pattern

- Growing

pattern



Patterns

Math Kangaroo
Class
Level 1-2

Patterns

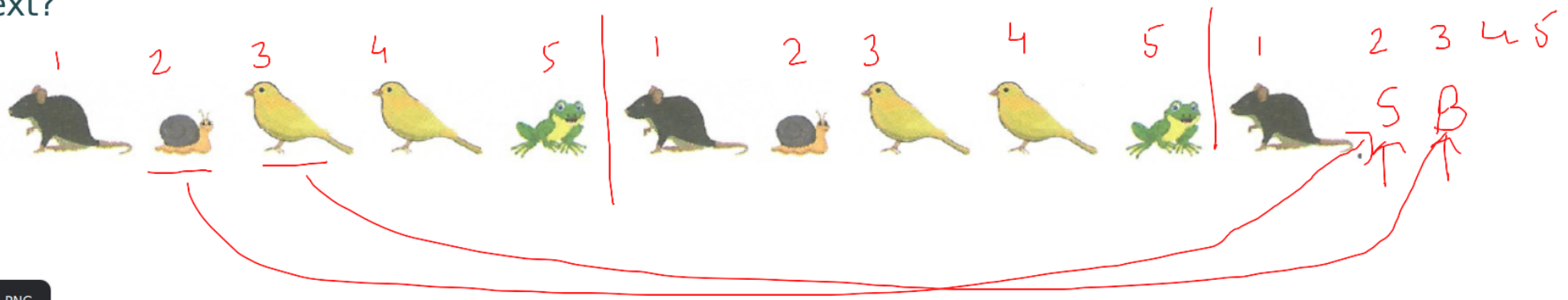
Can you think of some patterns around you?

Examples: daily routine, seasons, days of the week, Math Kangaroo class
on a certain day of the week. Increasing patterns: height of a tree, age of a
person. Decreasing patterns: minutes left in the lesson.

MK 2020 #4

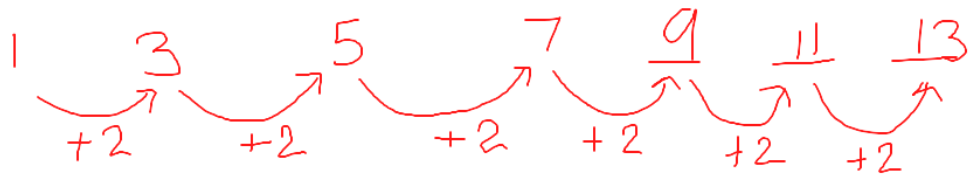
1. A magician is pulling toys out of his top hat. He always pulls out the toys in the same order, shown in the picture:

The pattern in the picture repeats every five toys. Which two toys does he pull out next?



MK 2006 #8

2. After 1 comes 3, after 3 comes 5, after 5 comes 7. What are the next 3 numbers?



9, 11, 13

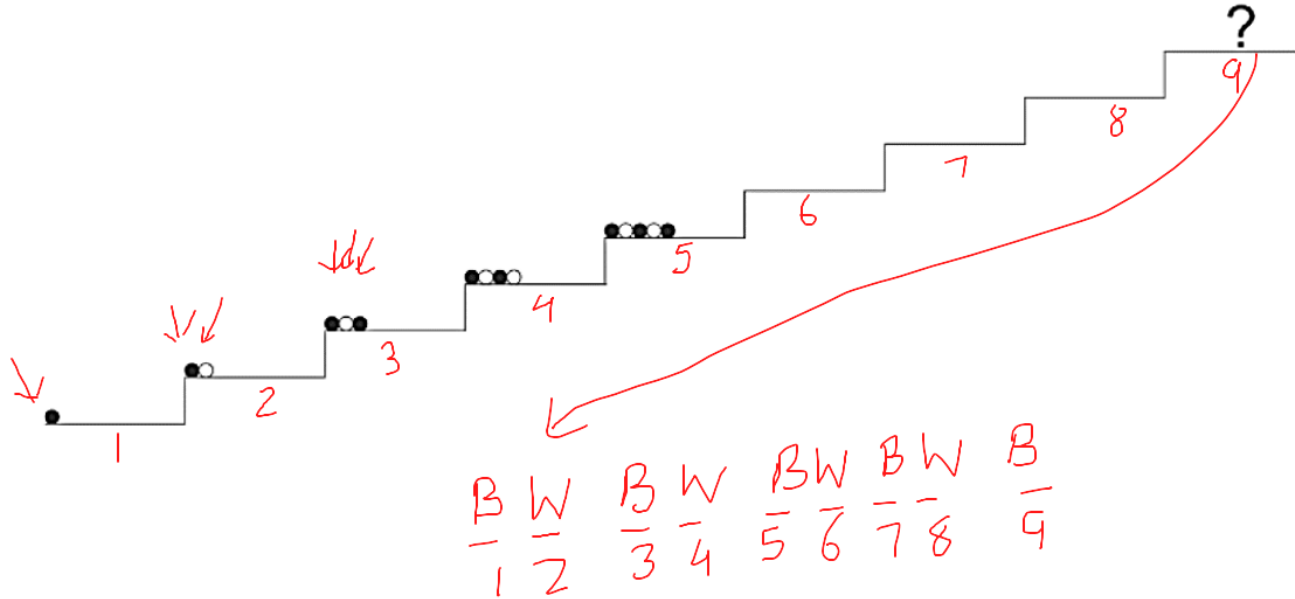
Annotation toolbar with icons for: Erase, Lasso Select, Text, Highlight, Pen, Eraser, Lasso Select, Undo, Redo, Delete, Zoom In, Zoom Out, and Close.

PNG
PDF

Talking:

MK 2016 #9

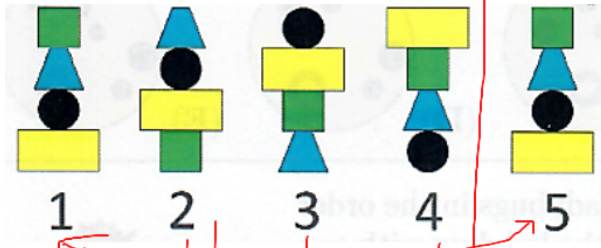
3. Sophie arranges balls on a stairway in a pattern as shown on the picture. How will the balls be arranged on the step with the question mark?



Talking: Sumit Kohli

MK 2018 #7

4. Emilie builds towers in the following pattern:



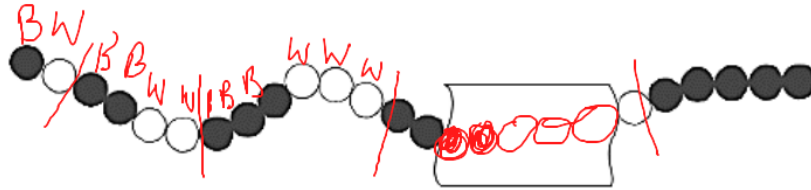
What will the 16th tower look like?

Handwritten numbers in red ink below the towers, indicating a sequence of 16 towers:

5	6	7	8
9	10	11	12
13	14	15	16

Talking: Sumit Kohli

5. Which dots are covered?



B B W W W

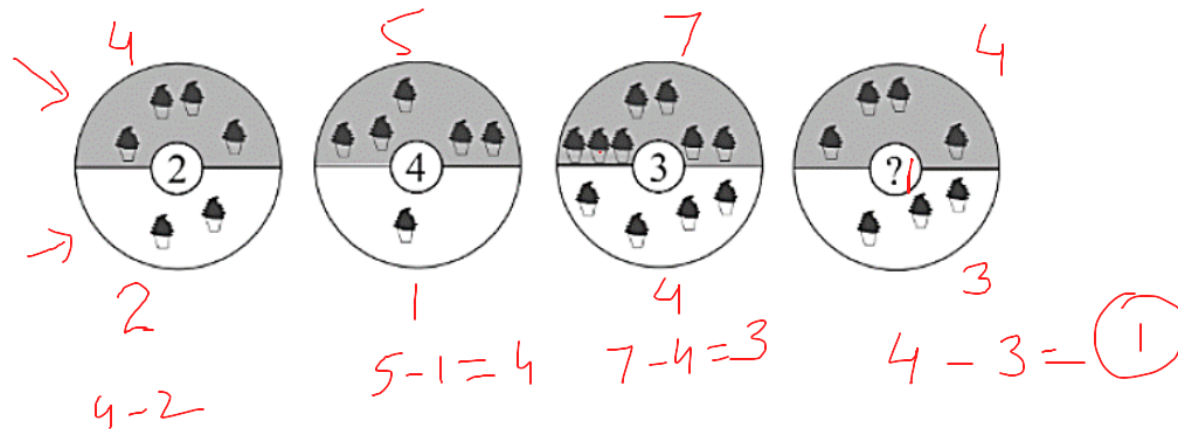
BB WWW

6. Peter drew a pattern twice, as in the picture. Which point will he reach when he draws the third pattern?



D

7. What number is covered by “?” in the last picture below?



6, 1
5

Talking: Archer Wong 1st Gra...