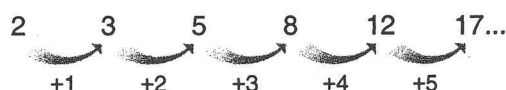


# Illustrated Glossary

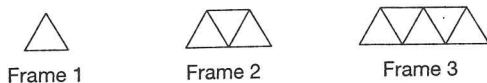
**Changing-step growing pattern:**

A number pattern where the number added increases.



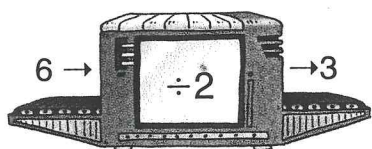
**Core:** See Repeating pattern.

**Growing pattern:** A pattern where each term or frame is greater than the previous term or frame.



1, 3, 8, 15, 23, ...

**Input/Output machine:** Performs an operation on a number (the input) to produce another number (the output). This Input/Output machine divides the input by 2.

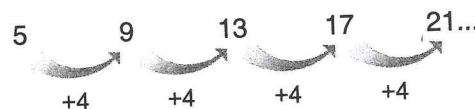


**Operation:** Something done to a number or quantity. Addition, subtraction, multiplication, and division are operations.

**Pattern rule:** Describes how to make a pattern. For the pattern 1, 2, 4, 8, 16, ..., the pattern rule is: Start at 1. Multiply by 2 each time.

**Repeating pattern:** A pattern with a core that repeats. The core is the smallest part of the pattern that repeats. In the pattern: 1, 8, 2, 1, 8, 2, 1, 8, 2, ... the core is 1, 8, 2.

**Same-step growing pattern:** A number pattern where the same number is added each time.



**Term:** One number in a number pattern. For example, the number 4 is the third term in the pattern 1, 2, 4, 8, 16, ...