

SEQUENCE RULE CARDS



Cut out the cards and use to identify or describe sequence rules.

1



ADD A CONSTANT

Add the same number each time.

2, 5, 8, 11, ...
(+3)

2



SUBTRACT A CONSTANT

Subtract the same number each time.

20, 17, 14, 11, ...
(-3)

3



MULTIPLY BY A CONSTANT

Multiply by the same number each time.

3, 6, 12, 24, ...
($\times 2$)

4



DIVIDE BY A CONSTANT

Divide by the same number each time.

48, 24, 12, 6, ...
($\div 2$)

5



LINEAR (n^{th} TERM)

The rule can be written as $an + b$.

4, 7, 10, 13, ...
($3n + 1$)

6



SQUARE NUMBERS

Numbers that are perfect squares.

1, 4, 9, 16, 25, ...
(n^2)

7



CUBE NUMBERS

Numbers that are perfect cubes.

1, 8, 27, 64, 125, ...
(n^3)

8



TRIANGULAR NUMBERS

Numbers that form triangles.

1, 3, 6, 10, 15, ...
($\frac{n(n+1)}{2}$)

9



FIBONACCI SEQUENCE

Each term is the sum of the two previous terms.

1, 1, 2, 3, 5, 8, ...

10



ALTERNATING PATTERN

Terms alternate between two rules or values.

5, 2, 5, 2, 5, 2, ...

11



ABSOLUTE VALUE

Based on the distance from zero.

3, 2, 1, 0, 1, 2, 3, ...

12



FIGURATE / PATTERN GROWTH

Visual patterns that grow in a structured way.

1, 3, 6, 10, ...