



A 10x10 grid of 100 small clusters of black dots. Each cluster is a unique arrangement of dots, creating a variety of abstract shapes and patterns. The dots are small and black, set against a white background. The clusters vary in size, density, and overall form, ranging from simple lines and small groups to more complex, interconnected shapes.

The image displays a 10x10 grid of 100 small dot patterns. Each pattern is a unique combination of 10 binary digits (0s and 1s). The patterns are arranged in 10 rows and 10 columns, with each row containing 10 patterns and each column containing 10 patterns. The patterns are created by placing black dots on a white background, with the number of dots in each row and column corresponding to the binary value of the digit in that position.

A 4x10 grid of 40 small clusters of black dots, each forming a different abstract shape. The shapes vary in complexity, from simple pairs of dots to more intricate, interconnected patterns.

A 4x10 grid of dots forming a stylized representation of the word 'MATHS'. The dots are arranged in four rows and ten columns. The first row contains 10 dots, the second row contains 10 dots, the third row contains 10 dots, and the fourth row contains 10 dots. The dots are arranged to form the letters M, A, T, H, S.

The figure displays a 4x10 grid of 40 small diagrams, each showing a different arrangement of black dots on a white background. The dots are arranged in various patterns, including lines, clusters, and symmetrical shapes, representing different states or configurations.

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The image displays a 10x10 grid of 100 small dot patterns. Each pattern is a unique combination of 10 binary digits (0s and 1s). The patterns are arranged in a grid where each row and column contains all possible combinations of the 10 bits. The patterns are arranged in a grid where each row and column contains all possible combinations of the 10 bits. The patterns are arranged in a grid where each row and column contains all possible combinations of the 10 bits.

The sequence of diagrams illustrates the construction of a 3x3 magic square:

- Diagram 1: A 3x3 grid with a single dot in the center cell (row 2, column 2).
- Diagram 2: A 3x3 grid with dots in the center cell and the four cells immediately adjacent to it (up, down, left, right).
- Diagram 3: A 3x3 grid with dots in the center cell and the four cells immediately adjacent to it, plus the four corner cells.
- Diagram 4: A 3x3 grid with dots in the center cell and the four cells immediately adjacent to it, plus the four corner cells, plus the two cells on the left and right sides (row 1, column 2 and row 3, column 2).
- Diagram 5: A 3x3 grid with dots in all nine cells, forming a magic square.

Figure 1 displays a 3x12 grid of dot patterns representing the digits 0-9. The first row shows digits 0-9. The second row shows digits 0-9 with a small dot at the bottom center. The third row shows digits 0-9 with a small dot at the bottom center and a small dot at the bottom right.

The figure consists of 10 small diagrams arranged horizontally, each showing a pattern of black dots on a grid. The patterns evolve from left to right, representing the steps of a cellular automaton. The first diagram has 3 dots. The second has 5 dots. The third has 7 dots. The fourth has 9 dots. The fifth has 11 dots. The sixth has 13 dots. The seventh has 15 dots. The eighth has 17 dots. The ninth has 19 dots. The tenth has 21 dots. The patterns are symmetric and show a clear growth in the number of dots and the area they occupy.

The figure consists of seven diagrams arranged horizontally, each showing a pattern of black dots on a grid. The patterns evolve from left to right. The first diagram shows a small cluster of dots. The second diagram shows a more complex, branching structure. The third diagram shows a pattern with a central vertical stem and two side branches. The fourth diagram shows a pattern with a central vertical stem and two side branches, similar to the third but with a different arrangement of dots. The fifth diagram shows a pattern with a central vertical stem and two side branches, similar to the fourth but with a different arrangement of dots. The sixth diagram shows a pattern with a central vertical stem and two side branches, similar to the fifth but with a different arrangement of dots. The seventh diagram shows a pattern with a central vertical stem and two side branches, similar to the sixth but with a different arrangement of dots.

Figure 1 consists of six sub-diagrams labeled (a) through (f), each showing a different type of point pattern on a grid. (a) shows a regular grid of points. (b) shows a random distribution of points. (c) shows a cluster pattern where points are grouped together. (d) shows a line pattern where points are arranged in a straight line. (e) shows a boundary pattern where points are arranged along the edges of a shape. (f) shows a complex pattern where points are arranged in a non-regular, non-random manner.

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The sequence of diagrams illustrates the construction of the number 12345678910 using dots. Each diagram shows a new digit being added to the previous sequence:

- Diagram 1: A single dot representing the digit 1.
- Diagram 2: Two dots representing the digit 2.
- Diagram 3: Three dots representing the digit 3.
- Diagram 4: Four dots representing the digit 4.
- Diagram 5: Five dots representing the digit 5.
- Diagram 6: Six dots representing the digit 6.
- Diagram 7: Seven dots representing the digit 7.
- Diagram 8: Eight dots representing the digit 8.
- Diagram 9: Nine dots representing the digit 9.
- Diagram 10: Ten dots representing the digit 10.

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A 3x3 grid of dots. The top row has three dots. The middle row has two dots, with the rightmost position empty. The bottom row has two dots, with the leftmost position empty.

A 7x10 grid of 70 small clusters of black dots. Each cluster is a unique arrangement of dots, creating a variety of abstract shapes. Some shapes resemble letters, numbers, or simple geometric forms, while others are more complex and organic. The dots are small and black, set against a white background.

Figure 1 shows seven diagrams, labeled (a) through (g), each representing a different configuration of points in a 2D plane. The points are arranged in a grid, and some points are highlighted in black, while others are white. The configurations are as follows:

- (a) A 3x3 grid of points. The top-left point is black, and the other points are white.
- (b) A 3x3 grid of points. The top-left point is black, and the other points are white.
- (c) A 3x3 grid of points. The top-left point is black, and the other points are white.
- (d) A 3x3 grid of points. The top-left point is black, and the other points are white.
- (e) A 3x3 grid of points. The top-left point is black, and the other points are white.
- (f) A 3x3 grid of points. The top-left point is black, and the other points are white.
- (g) A 3x3 grid of points. The top-left point is black, and the other points are white.

The image displays a 7x10 grid of 70 small dot patterns. Each pattern is a 3x3 grid of dots, where each dot is either present or absent, representing a unique combination of the seven basic patterns (a-g) from the 3x3 grid. The patterns are arranged in rows and columns, showing various combinations of the basic patterns. The first row contains 10 patterns, the second row contains 10 patterns, and so on, up to the seventh row which also contains 10 patterns. The patterns are arranged in a way that they represent all possible combinations of the seven basic patterns, with some patterns appearing more than once.

