

## 8. figure series and Pattern

### 1. Series:

□ → □□ → □□□ → ?

#### Explanation & Steps:

- The number of squares increases by 1 in each step.
- Step 1: 1 square
- Step 2: 2 squares
- Step 3: 3 squares
- Next should be 4 squares.

Answer: □□□□ (4 squares)

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### 2. Series:

▲ (up) → ► (right) → ▼ (down) → ?

#### Explanation & Steps:

- The triangle rotates 90° clockwise each time.
- Step 1: Up
- Step 2: Right
- Step 3: Down
- Next will be pointing **left**.

Answer: ◄ (triangle pointing left)

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### 3. Series:

○ (empty circle) → ◐ (half shaded right) → ● (full shaded) → ?

#### Explanation & Steps:

- Shading increases: none → half → full.
- Likely pattern reverses after full shading.
- Next step: half shaded but on left side.

Answer: ◑ (half shaded left)

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### 4. Series:

• (dot at top-left) → • (top-right) → • (bottom-right) → ?

**Explanation & Steps:**

- Dot moves clockwise around 4 corners.
- Positions so far: top-left → top-right → bottom-right.
- Next: bottom-left.

**Answer:** • (dot at bottom-left corner)

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**5. Series:**

▲ → ▲ + ● → ▲▲ + ● → ?

**Explanation & Steps:**

- Number of triangles increases by one per step.
- Number of circles remains 1.
- Next: 3 triangles + 1 circle.

**Answer:** ▲▲▲ + ●

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**6. Series:**

– (horizontal line) → | (vertical line) → \ (diagonal TL-BR) → ?

**Explanation & Steps:**

- Line orientation changes clockwise: horizontal → vertical → diagonal TL-BR.
- Next: diagonal from top-right to bottom-left.

**Answer:** / (diagonal TR-BL)

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**7. Series:**

Square with 1 dot → square with 2 dots → square with 3 dots → ?

**Explanation & Steps:**

- Number of dots inside square increases by 1.
  - Next: square with 4 dots.
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**8. Series:**

● (black circle) → ○ (white circle) → ● → ?

**Explanation & Steps:**

- Color alternates black → white → black.
- Next: white circle.

### 9. Series:

Small triangle → medium triangle → large triangle → ?

#### Explanation & Steps:

- Size increases with each step.
- Next: extra-large triangle.

### 10. Series:

Square with vertical line → square with horizontal line → square with diagonal TL-BR line → ?

#### Explanation & Steps:

- Line inside square rotates clockwise: vertical → horizontal → diagonal TL-BR.
- Next: diagonal TR-BL.

Got it! Here are **40 unsolved figure series / pattern completion questions** for practice. Try to find the next figure or missing figure in each series based on the pattern.

### 40 Unsolved Figure Series Questions

1. ○ → ○○ → ○○○ → ?
2. ▲ (pointing up) → ▲ (pointing right) → ▲ (pointing down) → ?
3. ■ (empty square) → ■ (half shaded right) → ■ (fully shaded) → ?
4. Dot moves: top-left → top-right → bottom-right → ?
5. ● → ●● → ●●● → ?
6. Horizontal line → vertical line → diagonal TL-BR → ?
7. ▲ → ▲ + ● → ▲▲ + ● → ?
8. Circle black → circle white → circle black → ?
9. Small square → medium square → large square → ?
10. Square with 1 dot → square with 2 dots → square with 3 dots → ?
11. Triangle pointing left → triangle pointing up → triangle pointing right → ?
12. Square with vertical line → square with horizontal line → square with diagonal TR-BL → ?

13. Number of lines inside a square:  $1 \rightarrow 2 \rightarrow 3 \rightarrow ?$
14. Circle shaded top half  $\rightarrow$  circle shaded bottom half  $\rightarrow$  circle shaded left half  $\rightarrow ?$
15. Hexagon  $\rightarrow$  Pentagon  $\rightarrow$  Square  $\rightarrow ?$
16. Dot moving clockwise in a circle: top  $\rightarrow$  right  $\rightarrow$  bottom  $\rightarrow ?$
17. Black circle increasing size  $\rightarrow ?$
18. White circle decreasing size  $\rightarrow ?$
19. Triangle rotates 45 degrees each step:  $0^\circ \rightarrow 45^\circ \rightarrow 90^\circ \rightarrow ?$
20. Square with dot in center  $\rightarrow$  dot moves to corner  $\rightarrow$  dot moves outside  $\rightarrow ?$
21. Square  $\rightarrow$  circle  $\rightarrow$  triangle  $\rightarrow ?$
22. Pattern with alternating colors: red square  $\rightarrow$  blue square  $\rightarrow$  red square  $\rightarrow ?$
23. Number of dots on a triangle:  $1 \rightarrow 2 \rightarrow 3 \rightarrow ?$
24. Line thickness increases: thin  $\rightarrow$  medium  $\rightarrow$  thick  $\rightarrow ?$
25. Circle moves left to right  $\rightarrow$  right to left  $\rightarrow$  left to right  $\rightarrow ?$
26. Square with diagonal line left  $\rightarrow$  square with diagonal line right  $\rightarrow$  square with vertical line  $\rightarrow ?$
27. Increasing number of triangles inside a circle:  $1 \rightarrow 2 \rightarrow 3 \rightarrow ?$
28. Star shape rotates clockwise  $60^\circ$  each step:  $?$
29. Number of dots increases by 2:  $1 \rightarrow 3 \rightarrow 5 \rightarrow ?$
30. Square shaded quarter clockwise:  $1 \rightarrow 2 \rightarrow 3 \rightarrow ?$
31. Circle divided in halves: top/bottom  $\rightarrow$  left/right  $\rightarrow$  diagonal  $\rightarrow ?$
32. Triangle with shading changes: no shade  $\rightarrow$  half shade  $\rightarrow$  full shade  $\rightarrow ?$
33. Shape size alternates: big  $\rightarrow$  small  $\rightarrow$  big  $\rightarrow ?$
34. Number of sides decreases: hexagon  $\rightarrow$  pentagon  $\rightarrow$  square  $\rightarrow ?$
35. Square rotates  $90^\circ$  clockwise  $\rightarrow 180^\circ \rightarrow 270^\circ \rightarrow ?$
36. Dot moves along square edges in jumps of 2 corners  $\rightarrow ?$
37. Circle changes position from center  $\rightarrow$  top  $\rightarrow$  bottom  $\rightarrow ?$
38. Triangle changes color: red  $\rightarrow$  blue  $\rightarrow$  green  $\rightarrow ?$
39. Number of circles increases exponentially:  $1 \rightarrow 2 \rightarrow 4 \rightarrow ?$
40. Square with two parallel lines  $\rightarrow$  three parallel lines  $\rightarrow$  four parallel lines  $\rightarrow ?$

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Want me to provide the **answer key** for these 40 questions now or later?

