



11+ Non-Verbal Reasoning Practice Paper 3 — Answers

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These answers belong with JDScience 11+ Non-Verbal Reasoning Practice Paper 3. Match the letter of the option, not a sketch of the figure.

Suggested time: Mark after the timed paper · **Answers:** 20 answers

Answers and short explanations

Use this booklet only after finishing the matching practice paper. Equivalent wording is accepted where the meaning is the same.

1. Section A — Sequences. Which figure comes next?

Answer: B

Why: Dots increase by 2: 2, 4, 6, then 8.

2. Which figure comes next?

Answer: B

Why: The chevron turns 90° clockwise: right, down, left, then up.

3. Which figure comes next?

Answer: B

Why: The L-shape turns 90° clockwise: 0°, 90°, 180°, then 270°.

4. Which figure comes next?

Answer: A

Why: One bar is removed each time: 4, 3, 2, then 1.

5. Section B — Rotations. Which figure comes next?

Answer: B

Why: The plus rotates 45° each time: 0°, 45°, 90°, then 135°.

6. Which figure comes next?

Answer: A

Why: The arrow turns 90° clockwise: up, right, down, then left.

7. Section C — Reflections. Complete the analogy: triangle up is to triangle down as chevron up is to ?

Answer: B

Why: Each pair is a reflection in a horizontal line. An upward chevron becomes a downward chevron.

8. Which figure comes next if each shape is a reflection of the last in a vertical line?

Answer: B

Why: The triangle flips left-right each time. After right, left, right, the next is left.

9. Section D — Matrices. Complete the 2×2 matrix. The bottom-right cell is missing.

Answer: B

Why: Each row keeps the outline; the right-hand cell is solid.

10. Complete the 2×2 matrix.
Answer: B
Why: The right-hand cell adds a plus to the left-hand shape.
11. Section E — Odd one out. Which figure is the odd one out?
Answer: C
Why: Three figures are squares. The hexagon is the odd one out.
12. Which figure is the odd one out?
Answer: C
Why: Three figures have three dots; one has five.
13. Section F — Analogies. Complete the analogy: empty square is to solid square as empty hexagon is to ?
Answer: B
Why: The outline stays the same and the fill becomes solid.
14. Complete the analogy: circle with 1 dot is to circle with 2 dots as square with 1 dot is to ?
Answer: B
Why: One extra dot is added inside the same outline.
15. Section G — Pattern completion. Which figure comes next?
Answer: B
Why: The diamond gains one extra dot each time: 1, 2, 3, then 4.
16. Which figure comes next?
Answer: B
Why: The inner dot moves 90° clockwise: top, right, bottom, then left.
17. Section H — Nets and spatial reasoning. Which net can fold to a cube? (A cross of six squares is a valid cube net; a 2-by-3 block is not.)
Answer: B
Why: The cross of six squares folds to a cube. A 2-by-3 rectangle would overlap when folded.
18. Which of these is a valid cube net?
Answer: C
Why: The zigzag of six squares is a valid cube net. A 2-by-3 block and a 3-by-3 corner of six squares overlap when folded.
19. The L-shape is rotated 90° clockwise. Which figure is the result?
Answer: B
Why: A 90° clockwise turn of the L matches option B.
20. Which figure is the odd one out?
Answer: C
Why: Three figures are chevrons. The solid circle is the odd one out.