

11+ Spatial Reasoning (Nets & Block Counting)

Year 6 · 11+ Exam Practice · 11plus-spatial-reasoning

Name: _____

Date: _____

Class: _____

Score: ____ / ____

Instructions

Answer every question. Write your answer on the line. 10 questions in total.

Practice

1. A flat 2D cube net is laid out in a cross shape as follows: - Top branch face: Circle - Middle row of four faces (from left to right): Triangle, Blank, Arrow, Star - Bottom branch face: Square When folded into a solid 3D cube, which of the options (A, B, C, D or E) represents a mathematically correct folding?

[picture: cube-net]

2. A flat 2D cube net is laid out in a cross shape as follows: - Top branch face: Heart - Middle row of four faces (from left to right): Blank, Triangle, Cross, Arrow - Bottom branch face: Circle When folded into a solid 3D cube, which of the options (A, B, C, D or E) represents a mathematically correct folding?

[picture: cube-net]

3. A flat 2D cube net is laid out in a cross shape as follows: - Top branch face: Circle - Middle row of four faces (from left to right): Blank, Triangle, Diamond, Cross - Bottom branch face: Diagonal Lines When folded into a solid 3D cube, which of the options (A, B, C, D or E) represents a mathematically correct folding?

[picture: cube-net]

4. A flat 2D cube net is laid out in a cross shape as follows: - Top branch face: Square - Middle row of four faces (from left to right): Circle, Heart, Cross, Diagonal Lines - Bottom branch face: Arrow When folded into a solid 3D cube, which of the options (A, B, C, D or E) represents a mathematically correct folding?

[picture: cube-net]

5. A flat 2D cube net is laid out in a cross shape as follows: - Top branch face: Blank - Middle row of four faces (from left to right): Arrow, Circle, Diagonal Lines, Star - Bottom branch face: Triangle When folded into a solid 3D cube, which of the options (A, B, C, D or E) represents a mathematically correct folding?

[picture: cube-net]

6. A flat 2D cube net is laid out in a cross shape as follows: - Top branch face: Arrow - Middle row of four faces (from left to right): Diagonal Lines, Diamond, Square, Blank - Bottom branch face: Cross When folded into a solid 3D cube, which of the options (A, B, C, D or E) represents a mathematically correct folding?

[picture: cube-net]

7. A flat 2D cube net is laid out in a cross shape as follows: - Top branch face: Arrow - Middle row of four faces (from left to right): Diamond, Star, Heart, Diagonal Lines - Bottom branch face: Triangle When folded into a solid 3D cube, which of the options (A, B, C, D or E) represents a mathematically correct folding?

[picture: cube-net]

8. A flat 2D cube net is laid out in a cross shape as follows: - Top branch face: Square - Middle row of four faces (from left to right): Star, Diamond, Diagonal Lines, Blank - Bottom branch face: Heart When folded into a solid 3D cube, which of the options (A, B, C, D or E) represents a mathematically correct folding?

[picture: cube-net]

9. A flat 2D cube net is laid out in a cross shape as follows: - Top branch face: Diamond - Middle row of four faces (from left to right): Star, Diagonal Lines, Arrow, Blank - Bottom branch face: Heart When folded into a solid 3D cube, which of the options (A, B, C, D or E) represents a mathematically correct folding?

[picture: cube-net]

10. A flat 2D cube net is laid out in a cross shape as follows: - Top branch face: Star - Middle row of four faces (from left to right): Diamond, Circle, Square, Cross - Bottom branch face: Triangle When folded into a solid 3D cube, which of the options (A, B, C, D or E) represents a mathematically correct folding?

[picture: cube-net]