CITIUS

Geometry, Patterns, and Symmetry

WORKSHEET 4

Theme	Geometry, Patterns, and Symmetry
Question 1	Jack wrote a number pattern: 1, 5, 9, 13, ?, 21, 25. What is the missing value in Jack's number pattern? • 14 • 16 • 17 • 20
Question 2	Which combination will come in at the 8th place in the following series? A1C, D2F, G3I, J4L… • S8U • U8X • V8W • V8X
Question 3	Which of the following letters have more than two lines of symmetry? • X • H • I • O

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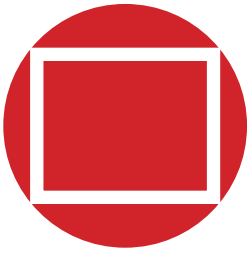
Question 4	How many lines of symmetry does this figure have? • 8 • 6 • 4 • 2 
Question 5	How many rays can be drawn from a given point? • 0 • 1 • 4 • infinite
Question 6	Which solid shape has 6 faces, but only the opposite faces are equal in shape and size? • Cylinder • Cube • Cuboid • Cone
Question 7	Which of these letters of the English alphabet remains the same, after it is reflected through a vertical line? • B • C • P • T

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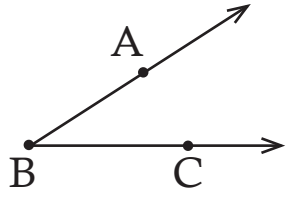
Question 8	The radius of a circle is 12 cm. What is the length of the line segment which divides the circle into two equal halves? • 30 cm • 24 cm • 18 cm • 12 cm
Question 9	Which of these is the correct way of naming this angle? • ∠BAC • ∠CBA • ∠ABC • None of these 
Question 10	How many geometrical pieces does a tangram consist of? • 5 • 6 • 7 • 8

- x -

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Answers

Answer 1	17
Answer 2	V8X
Answer 3	O
Answer 4	4
Answer 5	infinite
Answer 6	Cuboid
Answer 7	T
Answer 8	24 cm
Answer 9	∠ABC
Answer 10	7

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