Mathematics

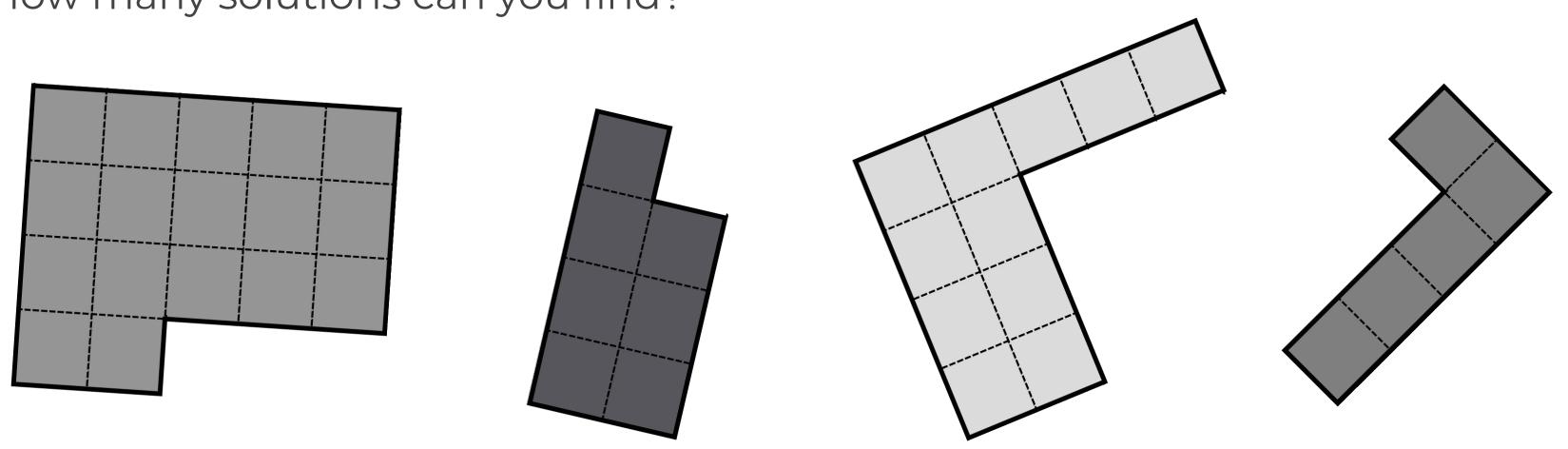
Cutting and combining shapes Lesson 3 of 8

Miss Kidd-Rossiter



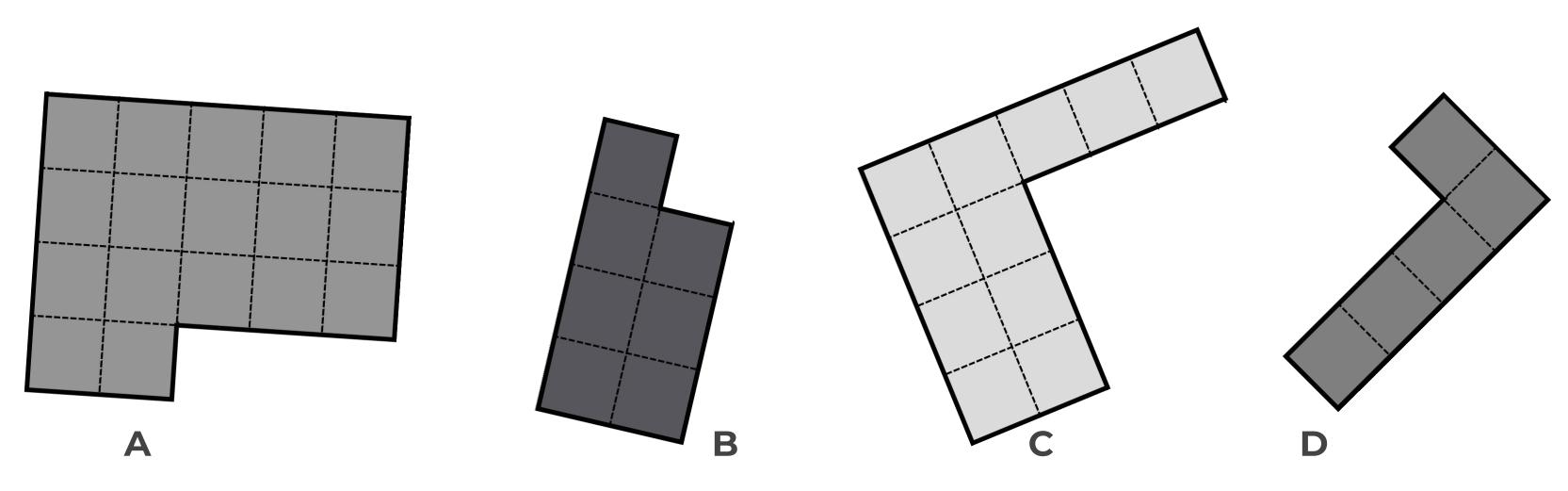
Try this

Combine two or more of these hexagons to form a rectangle. How many solutions can you find?





Connect



Find the area and the perimeter of each shape.

Form a compound shape by combining the hexagons (A) and (B).

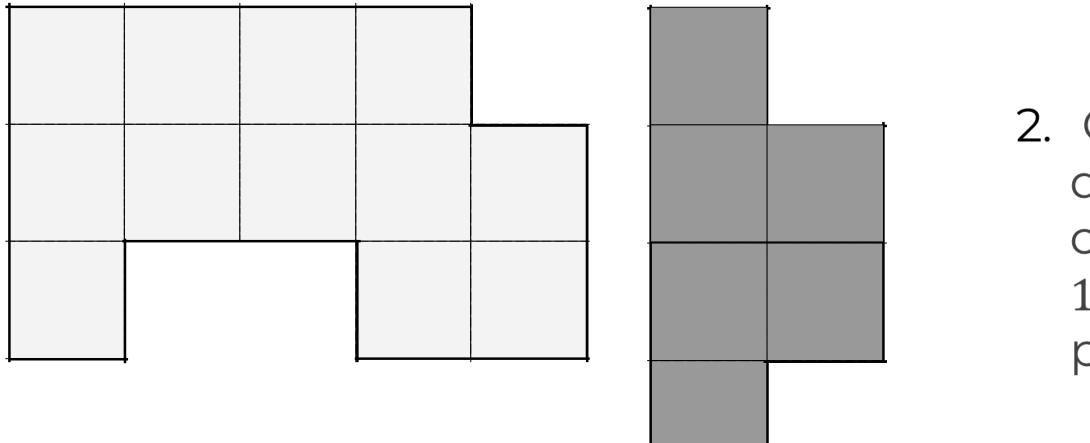
What is the area and perimeter of the compound shape?



ns **(A)** and **(B)**.

Independent task

1. Find the area and perimeter of these shapes.

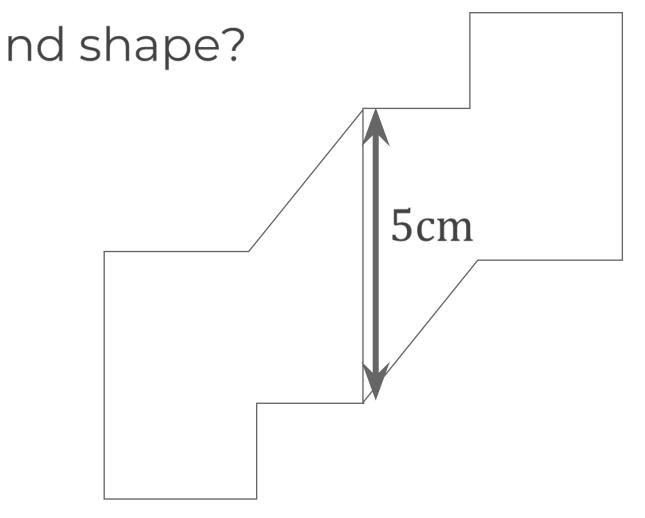


 Combine the two shapes in question 1 to make a compound shape with area 18 units squared and perimeter 22 units.



Independent task

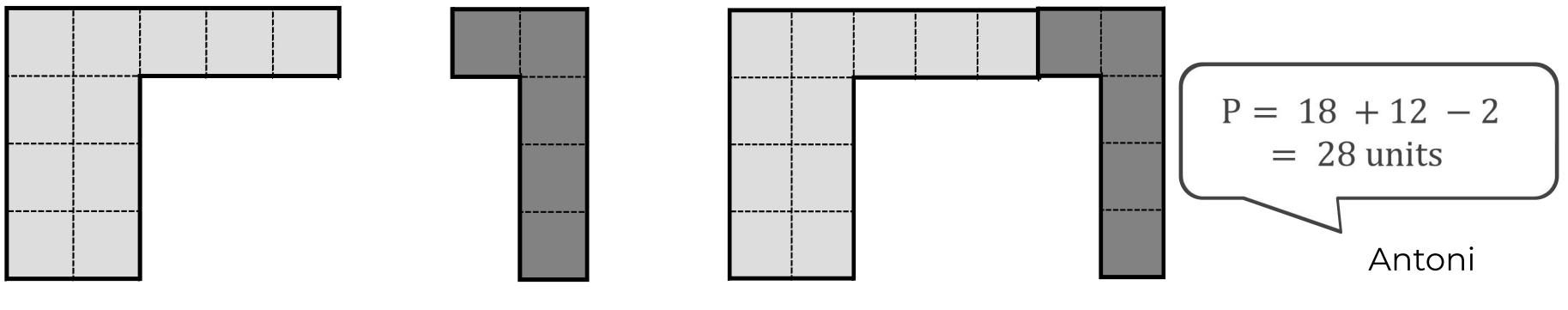
3. The diagram shows two heptagons.
Each has area 22cm² and perimeter 24cm.
What is the area and perimeter of the compound shape?







Explain why Antoni's perimeter calculation is correct.



P = 18 units P = 12 units

What perimeters are possible by combining the two hexagons?



P = 28 units

