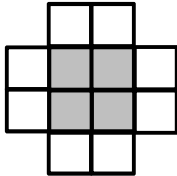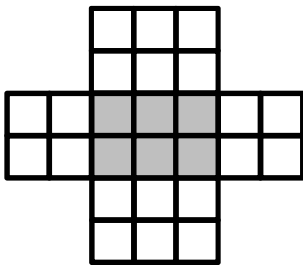Name _____   Date _____

1. Make the following boxes on centimeter grid paper. Cut and fold each to make 3 open boxes, taping them so they hold their shapes. How many cubes would fill each box? Explain how you found the number.
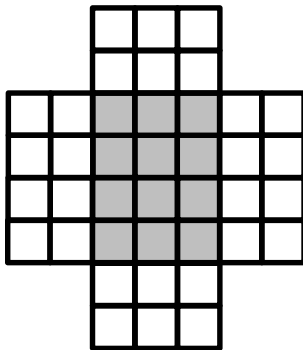
   a.

   Number of cubes: _____

   b.

   Number of cubes: _____

   c.

   Number of cubes: _____

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2. How many centimeter cubes would fit inside each box? Explain your answer using words and diagrams on each box. (The figures are not drawn to scale.)
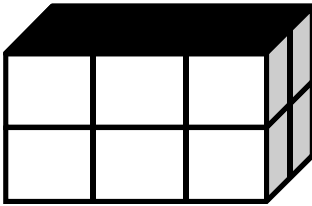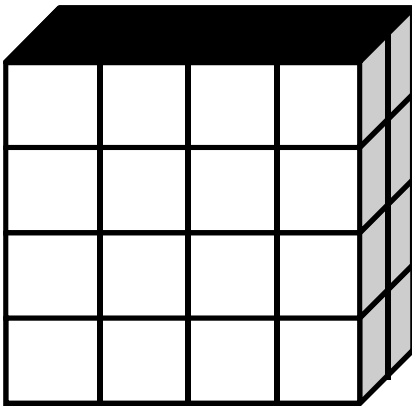
a.

Number of cubes: _____

Explanation:

b.
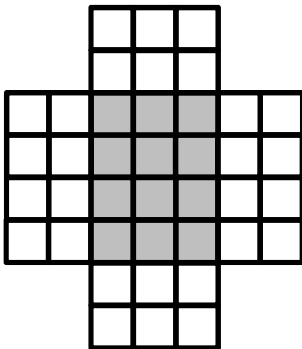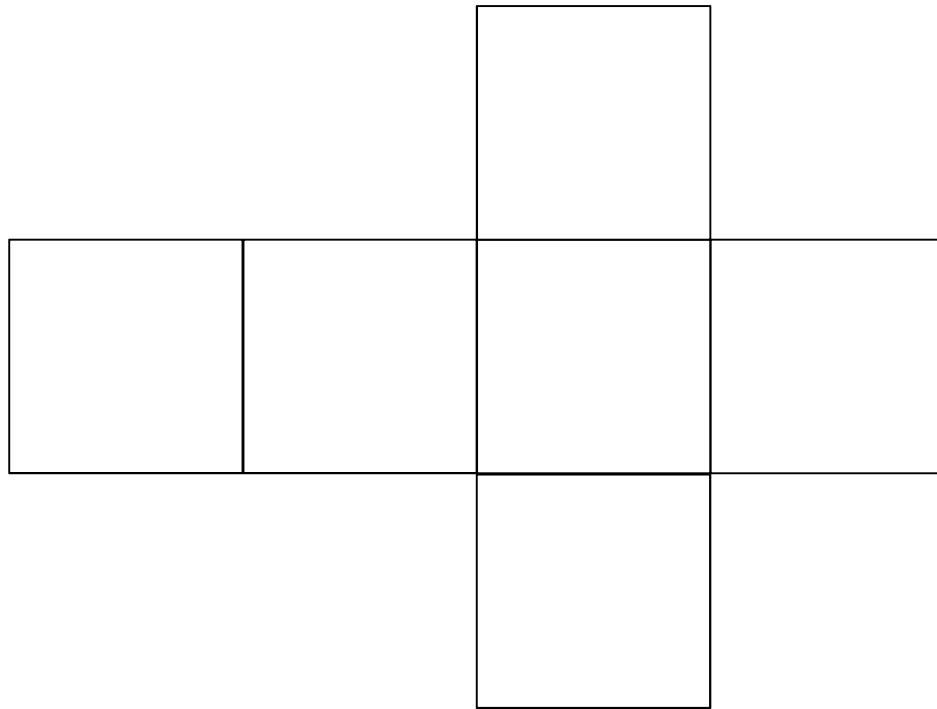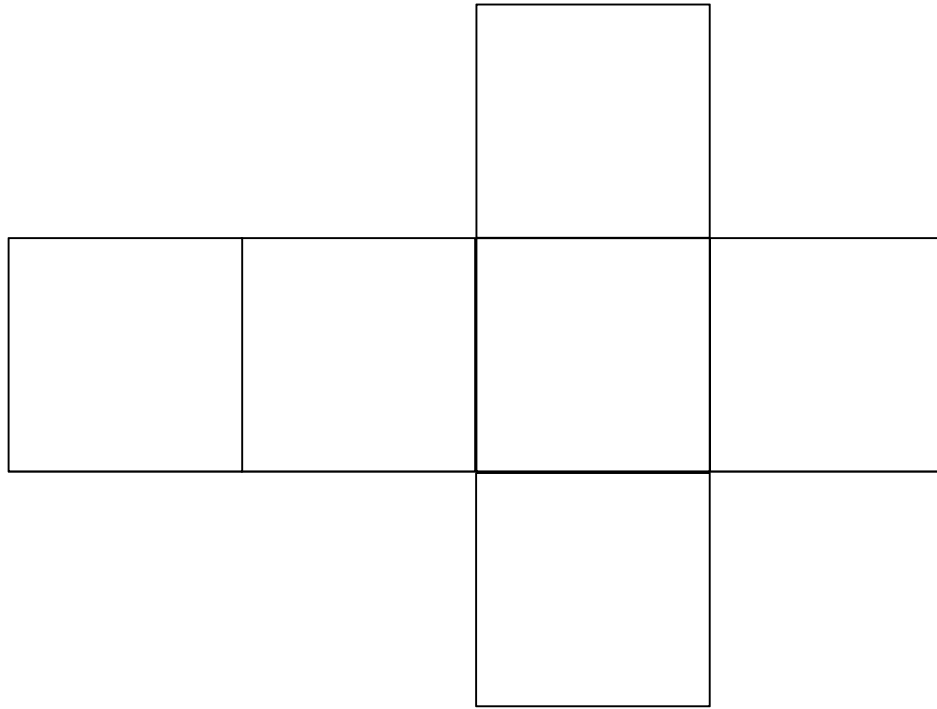
Number of cubes: _____

Explanation:

c.

Number of cubes: _____

Explanation:

3. The box pattern below holds 24 1-centimeter cubes. Draw two different box patterns that would hold the same number of cubes.

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