Plan for organizing the blackboard

How many edges of a cube do you need to cut
in order to open a cube completely?
Find the least number of edges needed to be cut.

What do you know about a cube?

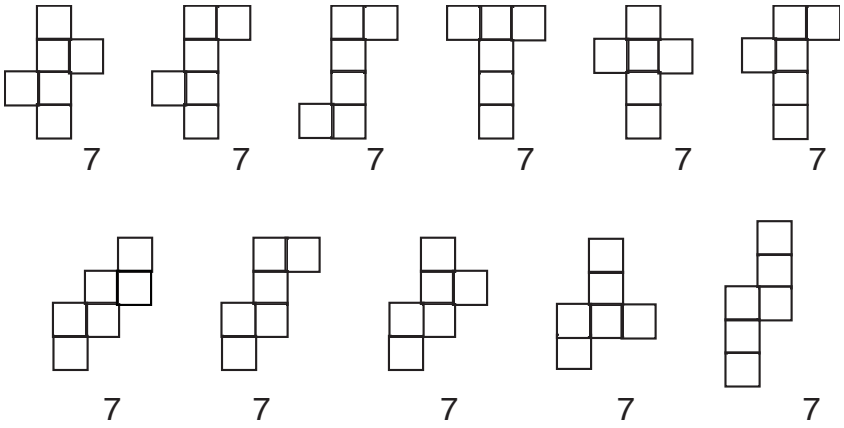
The number of edges

The number of faces

The number of vertices

What do you want to do in order to solve the problem?

Solutions



continue to

- Each pattern has six faces.
- Six faces are connected with five edges.

12 – 5 = 7

Seven edges need to be cut to open a cube.

What did you learn today?

continued from