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Geometry II

Join the dots to complete the prisms and write their names. Then complete the table and answer the questions.



Quick Tip

Prism - a solid shape with rectangular faces and congruent ends, named according to the shape of its ends

e.g. vertex: a corner formed by edges
edge: the line along which 2 faces meet
face: a flat surface

① A

② B

Solid	Number of vertices	Number of edges	Number of faces	Number of rectangular faces	Number of triangular faces
③ A					
④ B					

- ⑤ Are their ends congruent? _____
- ⑥ Can they slide on all faces? _____

Complete the sentences.

⑦ It is a _____ pyramid. It has _____ vertices, _____ edges and _____ faces.

⑧ It is a _____ pyramid. It has _____ vertices, _____ edges and _____ faces.

⑨ It is a _____ pyramid. It has _____ vertices, _____ edges and _____ faces.



Quick Tip

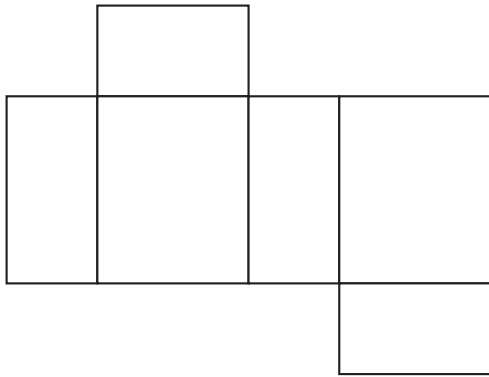
Pyramid - a solid shape with triangular faces, a common vertex and a flat base, named according to the shape of its base

e.g. common vertex
triangular face
base

The pyramid has 5 faces.

Jacky wants to make a rectangular prism. Help him colour the net and answer the question.

- ⑩ Colour each pair of congruent faces with the same colour.



- ⑪ How many pairs of congruent faces are there? _____ pairs

Look at the nets below. Put a check mark ✓ in the circle if the net can form a rectangular prism. Otherwise, put a cross X.

<p>⑫</p> <p><input type="radio"/></p>	<p>⑬</p> <p><input type="radio"/></p>	<p>⑭</p> <p><input type="radio"/></p>
<p>⑮</p> <p><input type="radio"/></p>	<p>⑯</p> <p><input type="radio"/></p>	<p>⑰</p> <p><input type="radio"/></p>

There are pictures on the rectangular prisms. Help Jacky draw them on the nets.

<p>⑱</p>	<p>⑲</p>
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