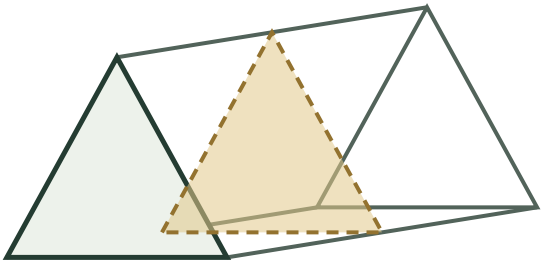
Prism cross-sections

Name: _____ Date: _____

6 questions | 10 marks

1. A triangular prism is cut parallel to its end faces. Name and sketch the section.
[2 marks]

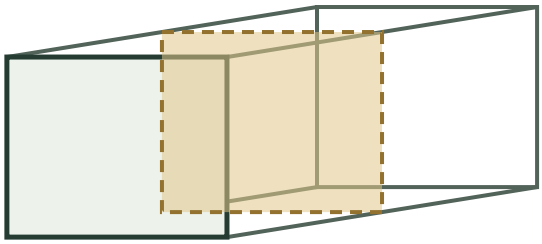


Section parallel to the ends

Diagram not to scale

2. A pentagonal prism is cut perpendicular to its length. How many sides does the section have? [1 mark]

3. A rectangular prism is cut parallel to its rectangular ends. Name the section. [1 mark]



Section parallel to the ends

Diagram not to scale

4. The end of a prism is a rectangle 4 cm by 2 cm. A parallel section is cut. Find its area. [2 marks]

5. A student says every possible cut through a rectangular prism must show a rectangle. Is that guaranteed? Explain. [2 marks]

6. A prism has matching hexagonal ends. Draw the shape of a section parallel to the ends and state its number of sides. [2 marks]