**Assessment task**

Suppose your assigned rectangular prism is a fish tank, which has only 5 faces and an open top.

There are three ways to turn your fish tank. You can turn it so the height is perpendicular to your desk, so the length is perpendicular, and so the width is perpendicular.

Fish tank dimension

Length: 4 cm, Width = 2 cm, Height = 3 cm

Made 3 Variations

* **With the height perpendicular to your desk**, find the surface area of the fish tank. Explain your answer.
* Turn your rectangular prism so **the length is perpendicular to the desk**. What is the surface area? Did it change? Explain your answer. (Remember: The top is always the missing face of your fish tank, so when you turn it, a different face is missing.)

Turn your rectangular prism so that **the width is perpendicular to the desk**. What is the surface area? Did it change? Explain your answer.