Opera House

Think

- · Where is this?
- · What happens here?
- Is it a boat or a building?
- · What does the shape remind you of?



The length of a rectangular Opera House is 187 metres and has a width of 115 metres. What is its perimeter?

Challenge: Can you work out the area of the building?

Reimagine

Your local council have given permission for an opera house to be built near where you live. Can you design an original and appropriate building?



Discuss

The Sydney Opera House was completed in 1973 with a final cost of \$102 million. While this is an incredible landmark building, could the money have been put to better use? Is the amount of money spent on buildings such as this justified? Are there better causes to be funded? Should we ignore how much is spent on public buildings and just enjoy them?

Respond

Write a brochure aimed at tourists, encouraging them to visit Sydney and the Opera House in particular. What other sights are there to see in the city? Include illustrations and think of a catchy title for your cover.

Discover

Fact: The Sydney Opera House was made a UNESCO World Heritage Site in 2007, meaning it is recognised as a place of cultural or physical significance.

Question: How many World Heritage Sites are there in Australia? Can you find any World Heritage Sites in the UK? What are their similarities or differences?





Opera House **Answers**

What is its perimeter?	Can you work out the area of the building?
There are different ways of calculating this:	Area = 187m × 115m = 21 505m ²
Perimeter = 187m + 115m + 187m + 115m = 604m	
or	
Perimeter = 187m + 115m = 302m × 2 = 604m	

