

## **SKE+ Learning together through Problem Solving**

**An invitation to do some mathematics**

**Strand I: Geometry and Trigonometry**

**The X Crossing**

---



One of Europe's busiest diagonal crossings has opened in central London's Oxford Circus.

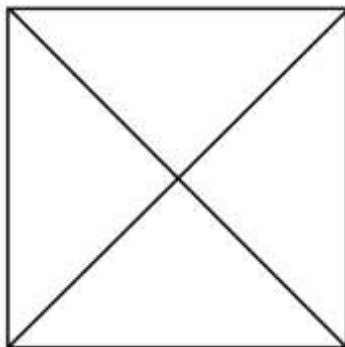
Based on crossings in Tokyo, the new design stops traffic in all directions, allowing shoppers to cross diagonally in an "X" as well as straight ahead.



A giant X, in the form of 60m (196ft) of red ribbon was unfurled by Japanese Manga characters dressed in colourful costumes.



And the people began to cross.  
But can you suggest what the dimensions of the crossing might be?



You might have to make some assumptions first.  
This is called mathematical modelling.