Triangles Challenge

1)



This is Simon

Simon has said “If I use 6 straws to make a triangle, I can only make an equilateral triangle.” Investigate whether Simon is correct or not. Prove your answer!

2) Use this line and draw two more sides to create:

* An equilateral triangle
* A scalene triangle
* An isosceles triangle

Which triangle was the easiest to create? Which was the most difficult?

Quadrilateral Challenge

|  |  |  |  |
| --- | --- | --- | --- |
|  | 4 equal sides | 2 pairs of equal sides | 1 pair of parallel sides |
| 4 right angles |  |  |  |
| No right angles |  |  |  |

Complete each of the boxes with a different type of quadrilateral. Which box cannot be completed? Explain why.