

Challenge 3

Always, Sometimes, Never?

“A four-sided shape has four lines of symmetry.”

If I use six straws to make a triangle, I cannot make an equilateral triangle.



Rosie



Investigate whether Rosie is correct.

Zach



A triangle has one line of symmetry unless you change the orientation.



Is Zach correct? Prove it.

Leanna



When given half of a symmetrical shape, I know the original shape will have double the amount of sides.



Do you agree with Leanna? Convince me.