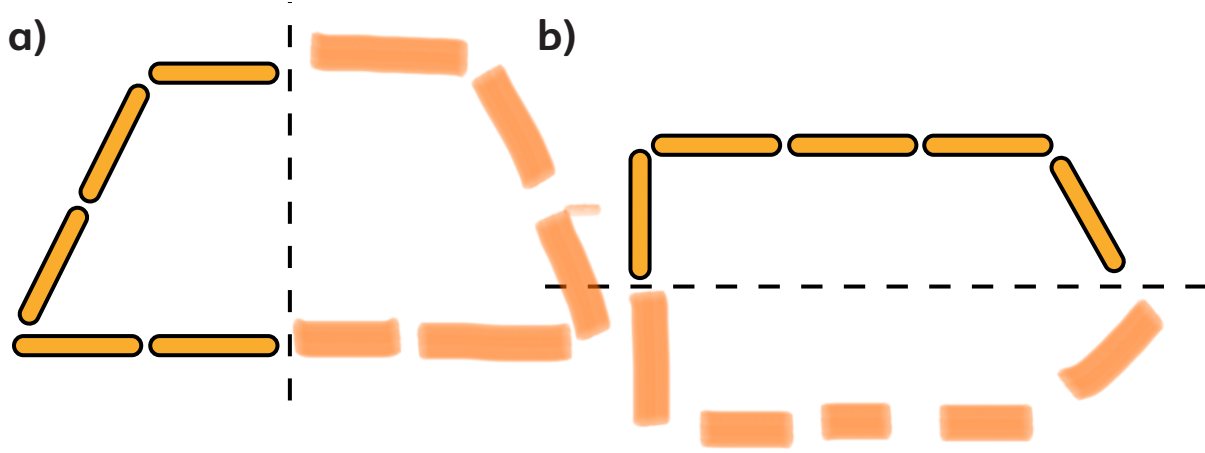
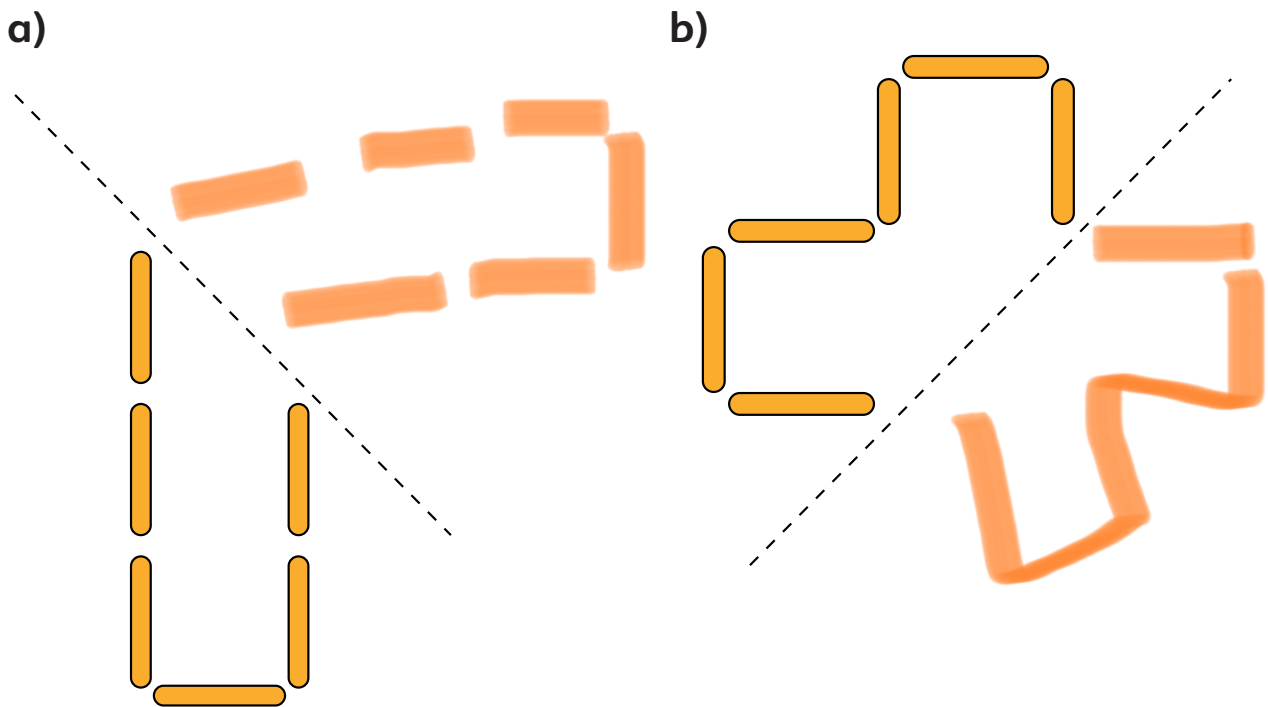


# Think together

1 Complete the symmetric figures using lolly sticks.



2 Complete these symmetric shapes made of lolly sticks.



**CHALLENGE**

3 Kate makes three conjectures about symmetric shapes.

Prove which are true and which are false.

Use squared paper to help you.



Kate

I can draw a quadrilateral that when reflected along one side will create a pentagon.



If half my shape has three sides then the reflected shape must be a hexagon.



If I reflect a shape the number of sides always doubles.

