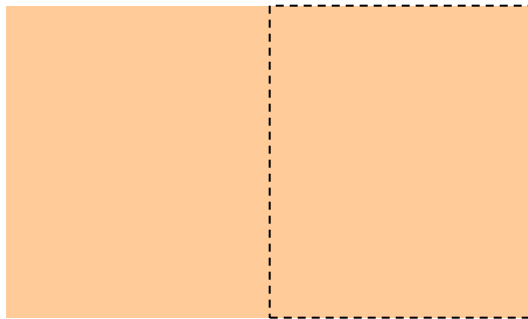


Butterfly Symmetry

Maths Extensions

What is Symmetry?

Symmetry is when one shape becomes exactly like another if you flip, slide or turn it. The simplest type of Symmetry is "Reflection" (or "Mirror"). Look at the shape below. It is "cut" or "divided" exactly in half. That means it is SYMMETRICAL – the two halves are exactly the same.

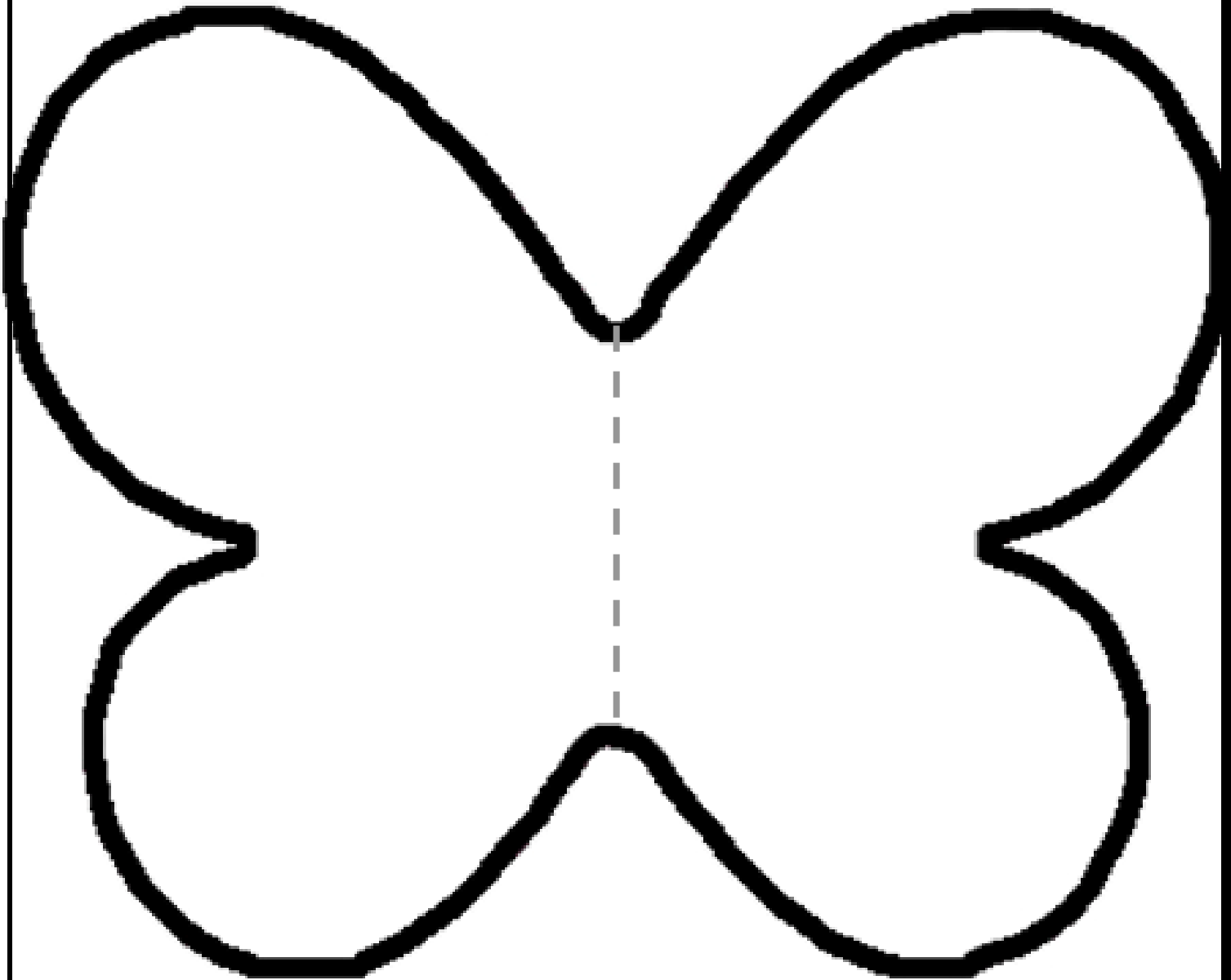


A butterfly is a perfect example of symmetry because one half of a butterfly looks exactly the same as the other half of the butterfly. Look at the picture below:



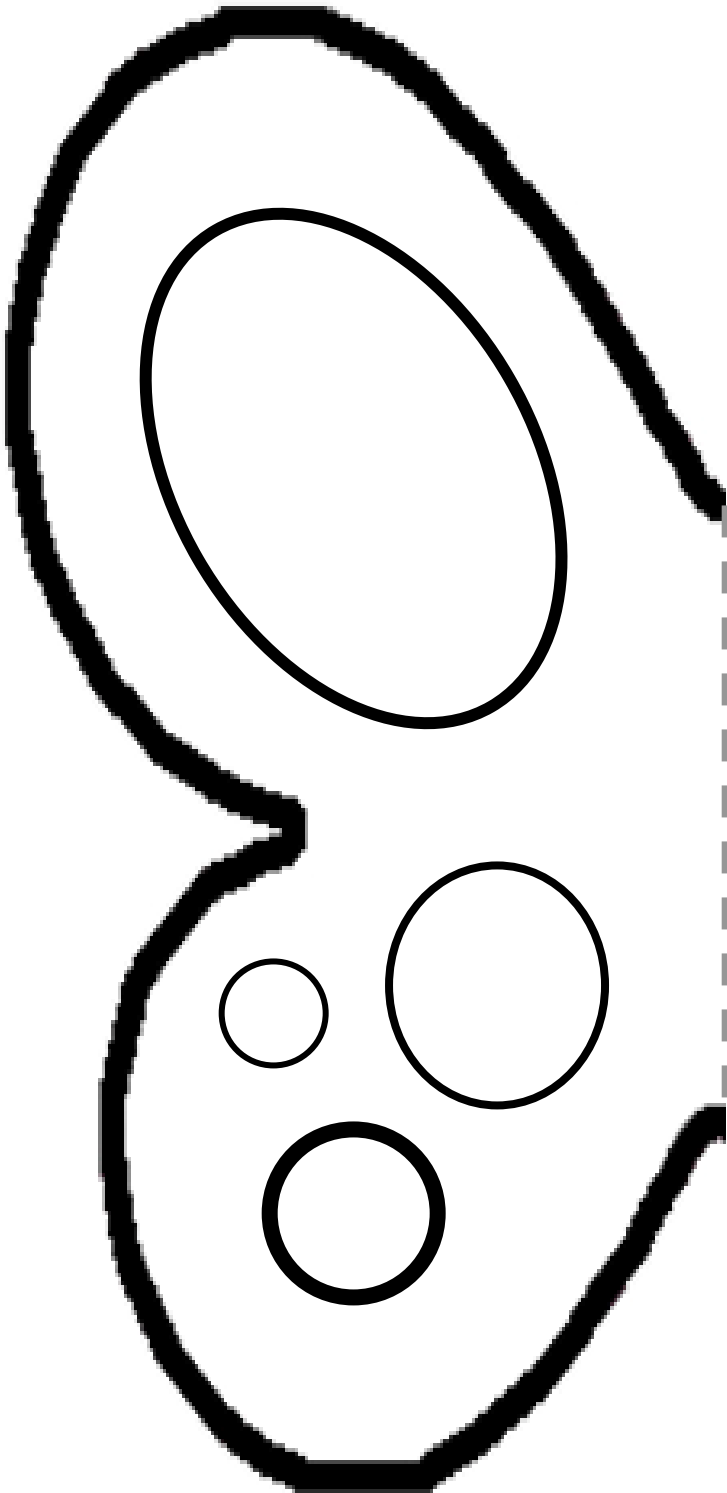
On the following page is a blank butterfly.

On this butterfly, draw **symmetrical** patterns. This means that both sides of the butterfly have to be exactly the same.



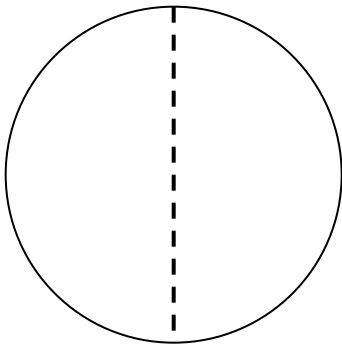
Now that you have completed this exercise, try to do the exercise on the following page.

On this page you have half of a butterfly. Try to draw the other half of the butterfly, with the same patterns. Color in your drawing. Remember both sides need to match! Have fun! 😊

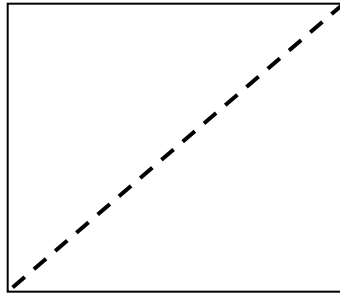


What do you think?

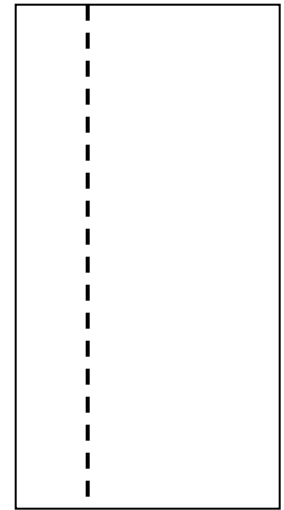
Tell whether the dotted line on each shape is a line of symmetry. Circle **yes** or **no**.



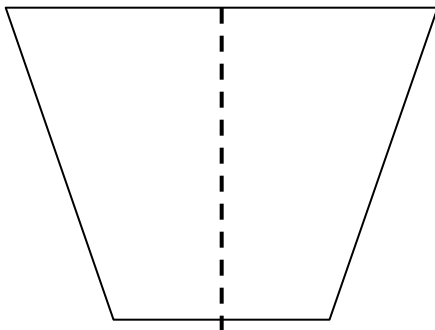
Yes No



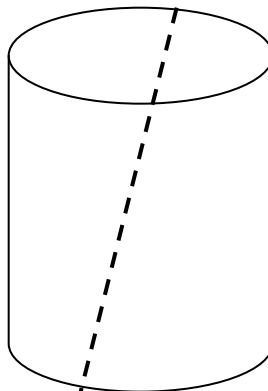
Yes No



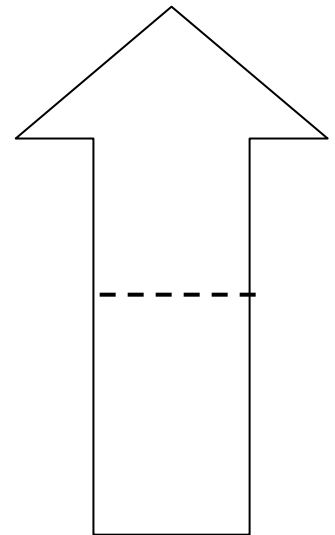
Yes No



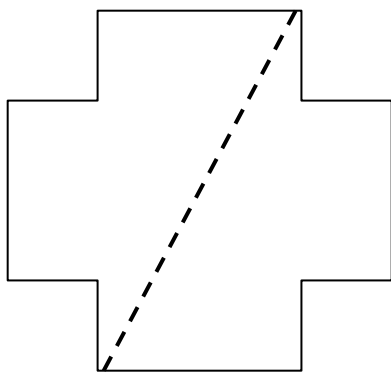
Yes No



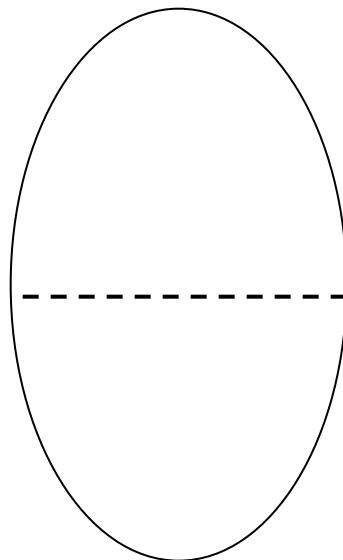
Yes No



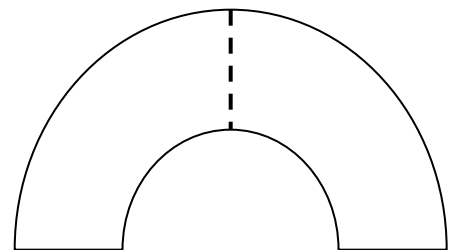
Yes No



Yes No

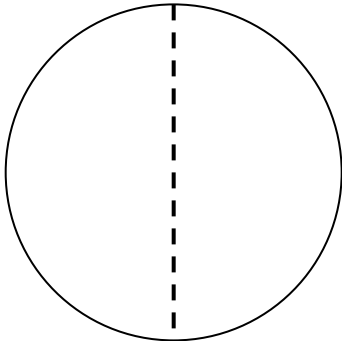


Yes No

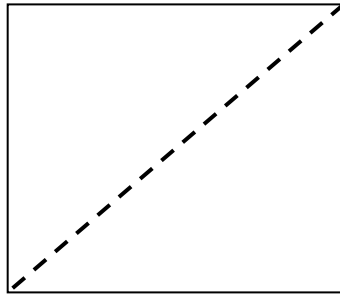


Yes No

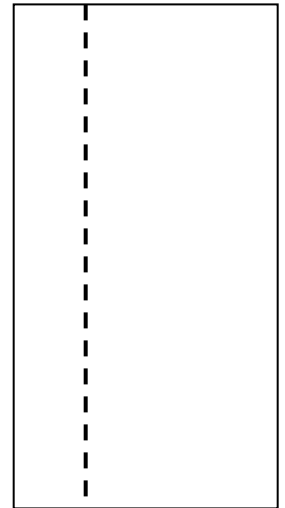
Symmetry Answers



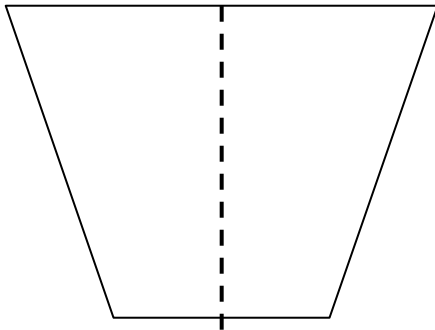
Yes No



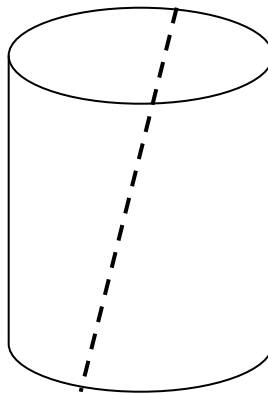
Yes No



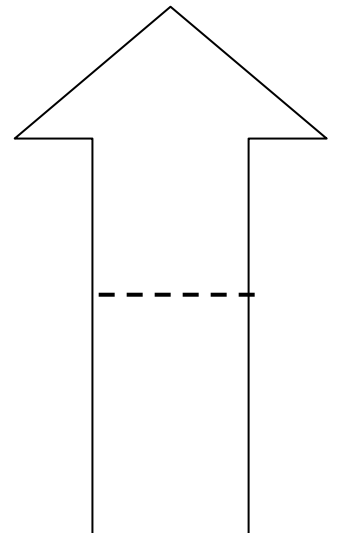
Yes **No**



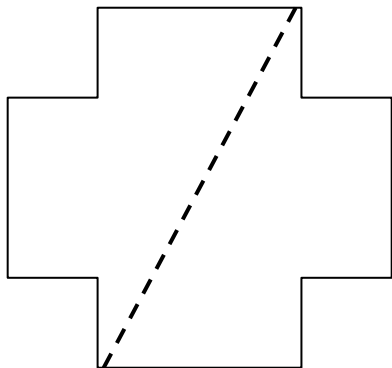
Yes No



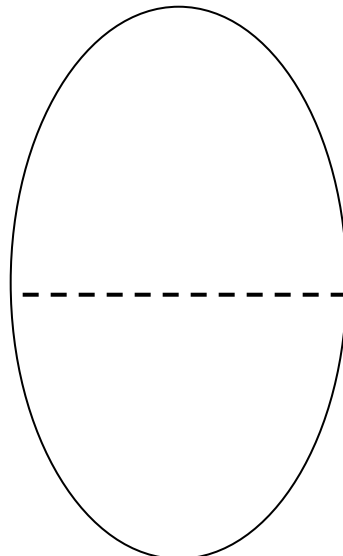
Yes **No**



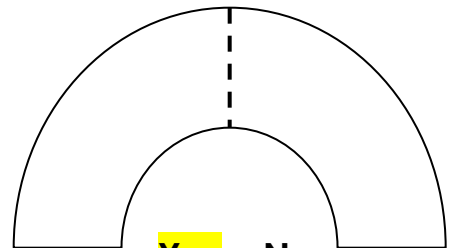
Yes No



Yes No



Yes No



Yes No