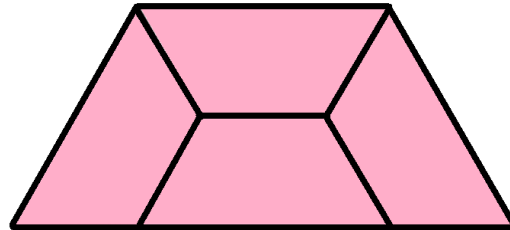# Reptiles

Reptiles are shapes that tile to make a larger version of themselves. Here is an example, a trapezium. Notice how the whole is made up of four identical parts.

What transformations (translations, reflections, rotations) map the top trapezium onto the other three?

How might 16 copies of the shape tile to form an even larger copy of itself?

Here are some other reptiles. Four copies of each shape will tile to form a larger copy of itself. Figure out which transformations are needed.

Notice that these shapes are Rep-4 because you need four copies to make a larger whole of the same shape.

Can you find some other Rep-4 shapes?