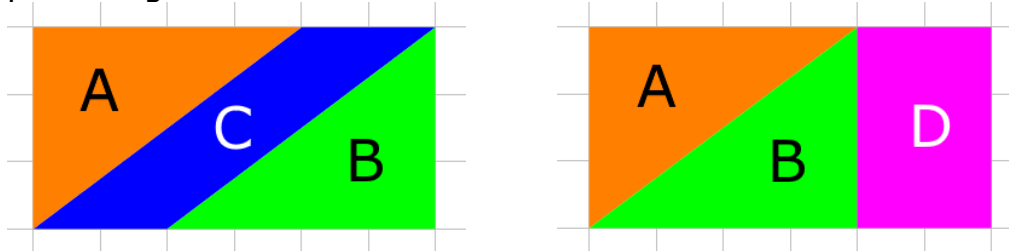
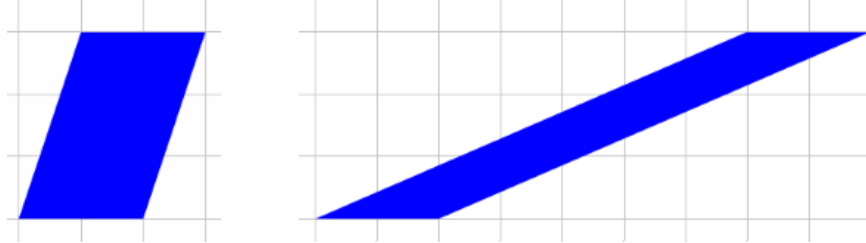


Shape C is a parallelogram with a base of 2 and a height of 3.
Can you use the two pictures below to work out the area of the parallelogram?



Here are two more parallelograms made by *shearing* a rectangle with a base of 2 and a height of 3.
Can you draw similar diagrams to work out their areas?



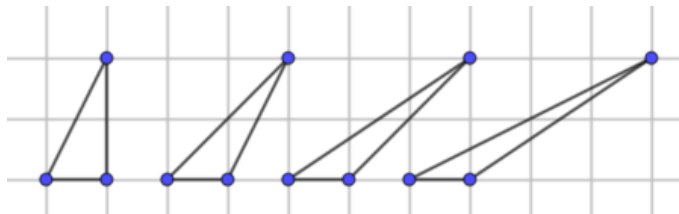
Draw some more parallelograms with a base of 2 and a height of 3.
What do you notice? Can you explain it?

Explore other families of parallelograms with a particular base and height.

Can you come up with a general rule for working out the area of a parallelogram if you know its base and height? Can you explain why your rule works?

I wonder what happens when we shear triangles...

Here is a family of four sheared triangles with a base of 1 and a height of 2.



Can you work out the area of the triangles?

Explore other families of triangles with a particular base and height.

Can you come up with a general rule for working out the area of a triangle if you know its base and height?