

# Stage 11 – Mathematical Movement



## WHAT DO WE ALREADY *know*?

- Use the centre and scale factor to carry out an enlargement of a 2D shape with a positive scale factor.



- Explore enlargement of 2D shapes

Scale  
 Factor  
 Similar-"having characteristics in common," 1610s (earlier similar, 1560s), from French *similaire*  
 Transformation  
 Enlargement  
 Centre  
 Construction  
 Negative  
 Integer  
 Fraction-late 14c., originally in the mathematical sense, from Anglo-French *fraccioun* (Old French *fraccion*, "a breaking," especially into pieces)

<u>Year 11 – Mathematical Movement</u>	Before Topic	After Topic	Teacher Mark
Use the centre and scale factor to carry out an enlargement of a 2D shape with a negative scale factor			
Find the scale factor of an enlargement with negative scale factor			
Find the centre of an enlargement with negative scale factor			