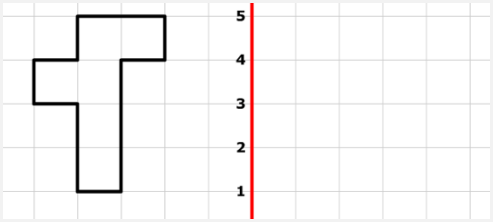
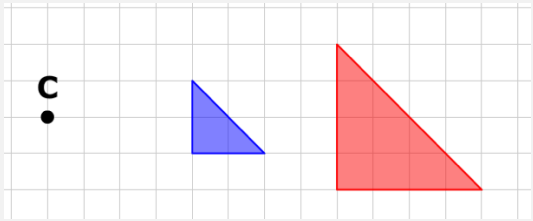
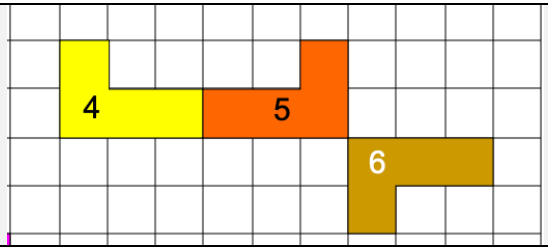
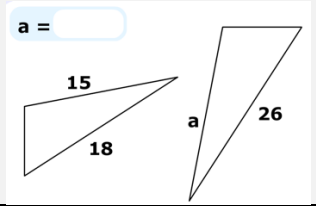
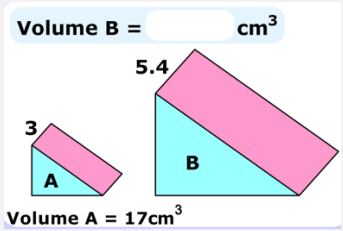
Year 9 Term 6

Learning Aim	Developing	Securing	Mastering
Transformations & similar shapes	Draw and describe translation & reflection Enlarge with a given SF	**Add, subtract and scale vectors inc. geometrical representations** Reflect in any given line, inc**. y=mx + c** Draw and describe rotation and enlargement in a given point.	**Dual transformations** **Enlargement with fractions & negative scale factors**
Examples			
Algebra	Find missing terms of linear sequences Recognise and sketch linear graphs Draw and interpret distance time graph	Finding nth terms of linear sequences Interpret real life graphs with links to y=mx+c Work out speed, distance, time word problems Similar shapes - length	**Finding nth term of quadratic sequences** **Find equation of a line from two coordinates** Find approximate solutions of simultaneous equations graphically in both linear and mixed with quadratic Similar shapes – area and volume
Examples		Write the nth term for the sequence 23, 19, 15, 11, Work out a 	

Extension opportunities
Nth term of quadratics **Enlargement with negative SF**

You can find practice on all the topics taught this term at Mathsworkout.co.uk.
Login: sarum. Password: solid92

Go to Algebra; section 12, 13 & 19. Geometry & measure; 17,17 & 18
Choosing the right level of difficulty for you within each topic area.