Y10 - HT4 - Congruence, similarity, enlargements; Trigonometry

Enlargements

Learning Objective	F	H	Sparx Code	Covered?	RAG	Revisit?
Enlarge a shape by a positive integer scale factor.	■		U519			
Enlarge a shape by a fractional scale factor.	■	■	U519			
Enlarge a shape by a negative scale factor.		■	U134			

Similar Shapes

Learning Objective	F	H	Sparx Code	Covered?	RAG	Revisit?
Identify similar shapes.	■		U551			
Working out missing sides and angles in a given pair of similar shapes.	■	■	U578			
Use parallel line rules to work out missing angles.	■		U826			
Establish a pair of triangles are similar.	■	■	U887			
Explore areas of similar shapes (1)		■	U630			
Explore areas of similar shapes (2)		■	U110			
Explore volumes of similar shapes.		■	U110			
Solve mixed problems involving similar shapes.		■	U212			

Congruency

Learning Objective	F	H	Sparx Code	Covered?	RAG	Revisit?
Understand the difference between congruence and similarity.	■		U790			
Understand and use conditions for congruent triangles.	■	■	U866			
Prove a pair of triangles are congruent.		■	U887			

End of Block Assessment:	F	H	Mark	Percentage	Grade	Feedback?
	■	■				

Trigonometry of right-angled triangles

Learning Objective	F	H	Sparx Code	Covered?	RAG	Revisit?
Explore ratio in similar right-angled triangles.	■		U605			
Work fluently with the hypotenuse, opposite and adjacent sides.	■		U605			
Use the tangent ratio to find missing side lengths.	■		U283			
Use the sine and cosine ratio to find missing side lengths.	■		U283			
Use the sine, cosine and tangent ratio to find missing side lengths.	■	■	U283			
Use the sine, cosine and tangent to find missing angles.	■	■	U545			
Calculate sides in right-angled triangles using Pythagoras' theorem.	■		U491			
Select the appropriate method to solve right-angled triangle problems.	■	■	U491			
Work with key angles in right-angled triangles.	■	■	U627			
Use trigonometry in 3D shapes.		■	U170			

Trigonometry of non-right-angled triangles

Learning Objective	F	H	Sparx Code	Covered?	RAG	Revisit?
Use the formula 1/2absinC to find the area of non-right angled triangles.		■	U592			
Understand and use the sine rule to find missing lengths.		■	U952			
Understand and use the sine rule to find missing angles.		■	U952			
Understand and use the cosine rule to find missing lengths.		■	U591			
Understand and use the cosine rule to find missing angles.		■	U591			
Choose and use the sine and cosine rules.		■	U342			

End of Block Assessment:	F	H	Mark	Percentage	Grade	Feedback?
	■	■				