

Year 4 Autumn 1: Week 6 Maths Planning

Date	Learning Objective	Starter Activity	Main Teaching	Plenary Activity
7.12.20 & 8.12.20	✓ To identify lines of symmetry in 2-D shapes presented in different orientations.	http://www.transum.org/software/SW/polygons/polygons.asp?Level=1	http://www.transum.org/software/SW/polygons/polygons.asp?Level=1 Work through the various levels available here.	Use MyMaths and after the first level logon type 'symmetry' into the search. From here explore any unit that you feel will help further develop your understanding.
9.12.20	✓ Complete a simple symmetric figure with respect to a specific line of symmetry.	http://www.topmarks.co.uk/Flash.aspx?f=Symmetry Play the game on top marks this will give children a better understanding.	Work through the 'Symmetry Presentation'. This is a ppt. Open the Monday Maths flipchart – model exactly what the children need to do. You can then complete an appropriate reflective symmetry worksheet.	What did you struggle with? Did you find a good method for completing your reflections?
10.12.20	✓ To use our knowledge of symmetry to create puzzles.	https://www.topmarks.co.uk/symmetry/symmetry-sorting This is a good shape sorting game using lines of symmetry. It has a variety of difficulty levels.	https://mathsframe.co.uk/en/resources/resource/82/itp-symmetry Have a look at this interactive grid. See IWB Instructions You now need to draw a vertical line of symmetry down the middle of a page. On the left side they will create a pattern by colouring blocks or drawing half of a shape.	http://www.taw.org.uk/lic/itp/symmetry.html Have another go at this game!
11.12.20	✓ To use our knowledge of symmetry to create a symmetrical pattern.	https://www.topmarks.co.uk/Flash.aspx?a=activity19 This is quite a fun game that involves lots of symmetry activities.	You need lots of squared paper – a resource is saved for this. Explain that today children are going to be creating and investigating their own symmetrical patterns. Tablecloth symmetry	http://www.taw.org.uk/lic/itp/symmetry.html Have another go at this game. Check pupils understanding of vertical/horizontal lines of symmetry. Ask pupils to mark

			<p>https://nrich.maths.org/900</p> <p>Children have to imagine a 5 x 5 chequered tablecloth which they have to colour'</p> <p>Set tasks according to ability</p> <p>For example table cloth must have</p> <ul style="list-style-type: none">one line of symmetry orTwo lines of symmetry orTwo diagonal lines of symmetry or2 lines of symmetry and rotational symmetry of 2 <p>There are other examples on the link.</p> <p>Click IWB instructions which is good to show as an example.</p>	<p>whether their partners were correct.</p>
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