



Ark Globe  
Academy

# Year 11 Foundation Maths

## Ark Globe Academy

### Remote Learning

### Spring Term Pack 2

Week	Day	LO	Do Now	Lesson	Plenary
W/C 18 <sup>th</sup> Jan	Monday	To calculate bearings	<a href="https://corbettmaths.com/wp-content/uploads/2015/09/january-10-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2015/09/january-10-pdf.pdf</a>	<a href="https://classroom.thenational.academy/lessons/when-given-two-points-and-2-bearings-find-a-third-point-68v36e?activity=video&amp;step=1">https://classroom.thenational.academy/lessons/when-given-two-points-and-2-bearings-find-a-third-point-68v36e?activity=video&amp;step=1</a>	Log in to Hegarty maths and complete quiz 494.



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	<b>Tuesday</b>	To calculate the circumference of a circle.	Online Learning P1 <b>MS Teams at 8:50am</b>	Online Learning P1 <b>MS Teams at 8:50am</b>	Hegarty Clip 534
	<b>Wednesday</b>	<ol style="list-style-type: none"><li>1. To complete a table of values for a quadratic graph.</li><li>2. To plot graphs of quadratic functions.</li><li>3. To solve problems using</li></ol>	<a href="https://corbettmaths.com/wp-content/uploads/2015/09/january-11-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2015/09/january-11-pdf.pdf</a>	<b>Main Video 1:</b> <a href="https://classroom.thenational.academy/lessons/plot-simple-quadratic-equations-6gr32e?activity=video&amp;step=1">https://classroom.thenational.academy/lessons/plot-simple-quadratic-equations-6gr32e?activity=video&amp;step=1</a> <b>Main Video 2:</b> <a href="https://classroom.thenational.academy/lessons/plot-other-quadratic-equations-65h3ed">https://classroom.thenational.academy/lessons/plot-other-quadratic-equations-65h3ed</a> <b>Independent Tasks:</b> <a href="https://classroom.thenational.academy/lessons/plot-simple-quadratic-equations-6gr32e?step=2&amp;activity=worksheet">https://classroom.thenational.academy/lessons/plot-simple-quadratic-equations-6gr32e?step=2&amp;activity=worksheet</a>	Complete Hegarty Clip 251
	<b>Thursday</b>	To calculate the perimeter of shapes with circles.	Online Learning <b>MS Teams at 8:50am</b>	Online Learning <b>MS Teams at 8:50am</b>	Hegarty Clip 536



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	<b>Friday</b>	<p>1. To solve quadratic equations of the form <math>ax^2 + bx + c = 0</math> using graphs.</p> <p>2. 1. To solve quadratic equations of the form <math>ax^2 + bx + c = k</math> using graphs.</p>	<a href="https://corbettmaths.com/wp-content/uploads/2015/09/january-12-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2015/09/january-12-pdf.pdf</a>	<p><b>Lesson 1:</b>  <a href="https://classroom.thenational.academy/lessons/solving-quadratic-equations-graphically-6cr6ad">https://classroom.thenational.academy/lessons/solving-quadratic-equations-graphically-6cr6ad</a></p> <p><b>Lesson 2:</b>  <a href="https://classroom.thenational.academy/lessons/identify-and-interpret-roots-intercepts-and-turning-points-of-quadratic-graphs-c4uk8d">https://classroom.thenational.academy/lessons/identify-and-interpret-roots-intercepts-and-turning-points-of-quadratic-graphs-c4uk8d</a></p>	Log in to Hegarty maths and complete quiz 255.
<b>Week</b>	<b>Day</b>	<b>LO</b>	<b>Do Now</b>	<b>Lesson</b>	<b>Plenary</b>
W/C 25 <sup>th</sup> Jan	Monday	<p>1. To solve problems involving areas and perimeters of 2D shapes.</p> <p>2. To solve past GCSE questions.</p>	<a href="https://corbettmaths.com/wp-content/uploads/2015/09/january-13-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2015/09/january-13-pdf.pdf</a>	<p><b>Main Video 1:</b>  <a href="https://classroom.thenational.academy/lessons/area-of-rectangles-parallelograms-and-triangles-71jp8c?activity=video&amp;step=1">https://classroom.thenational.academy/lessons/area-of-rectangles-parallelograms-and-triangles-71jp8c?activity=video&amp;step=1</a></p> <p><b>Main Video 2:</b>  <a href="https://classroom.thenational.academy/lessons/area-of-a-trapezium-70r34c?activity=video&amp;step=1">https://classroom.thenational.academy/lessons/area-of-a-trapezium-70r34c?activity=video&amp;step=1</a></p>	Log in to Hegarty maths and complete quiz 559.
	<b>Tuesday</b>	1. To calculate the area of a circle.	Online Learning <b>MS Teams at 8:50am</b>	Online Learning <b>MS Teams at 8:50am</b>	Hegarty Clip 539



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		<p>2. To find the radius or diameter of a circle.</p> <p>3. To give answers in terms of <math>\pi</math>.</p> <p>4. To solve problems involving area of a circle.</p>			
	<b>Wednesday</b>	<p>To calculate the areas of semicircles and quarter circles.</p>	<p><a href="https://corbettmaths.com/wp-content/uploads/2015/09/january-14-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2015/09/january-14-pdf.pdf</a></p>	<p><b>Review Video 1:</b> <a href="https://classroom.thenational.academy/lessons/find-the-circumference-of-a-circle-c4tp6e?activity=video&amp;step=1">https://classroom.thenational.academy/lessons/find-the-circumference-of-a-circle-c4tp6e?activity=video&amp;step=1</a></p> <p><b>Review Video 2:</b> <a href="https://classroom.thenational.academy/lessons/find-the-area-of-a-circle-6ow36c">https://classroom.thenational.academy/lessons/find-the-area-of-a-circle-6ow36c</a></p> <p><b>Main Video:</b> <a href="https://classroom.thenational.academy/lessons/find-the-area-of-a-semicircle-and-quarter-circle-ccrp2t?activity=video&amp;step=1">https://classroom.thenational.academy/lessons/find-the-area-of-a-semicircle-and-quarter-circle-ccrp2t?activity=video&amp;step=1</a></p>	<p><b>Plenary:</b> Log in to Hegarty maths and complete quiz 541.</p>



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	<b>Thursday</b>	<ol style="list-style-type: none"><li>1. To calculate the area of a sector.</li><li>2. To calculate the arc length of a circle.</li><li>3. To calculate the perimeter of a sector.</li></ol>	Online Learning <b>MS Teams at 8:50am</b>	Online Learning <b>MS Teams at 8:50am</b>	Hegarty Clip 546
	<b>Friday</b>	<ol style="list-style-type: none"><li>1. To solve problems involving areas and perimeters of 2D shapes.</li><li>2. To solve past GCSE questions.</li></ol>	<a href="https://corbettmaths.com/wp-content/uploads/2015/09/january-15-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2015/09/january-15-pdf.pdf</a>	<b>Lesson 1:</b> <a href="https://classroom.thenational.academy/lessons/area-of-compound-shapes-65k64c?activity=video&amp;step=1">https://classroom.thenational.academy/lessons/area-of-compound-shapes-65k64c?activity=video&amp;step=1</a>  <b>Lesson 2:</b> <a href="https://classroom.thenational.academy/lessons/perimeter-of-polygons-and-compound-shapes-65k3jt?activity=video&amp;step=1">https://classroom.thenational.academy/lessons/perimeter-of-polygons-and-compound-shapes-65k3jt?activity=video&amp;step=1</a>	Log in to Hegarty maths and complete quiz 555.