

**If you are in 8P4, 8P5, 8P6, 8Q4 or 8Q5 please use links from the left hand column (Foundation skills) and middle column (Core Skills).  
If you are in in 8P1, 8P2, 8P3, 8Q1, 8Q2 or 8Q3 please use links from the middle column (Core Skills) and right hand column (Mastery)**

		Higher Groups 1,2,3
Foundation Groups 4,5,6		
Foundation Skills	Core Skills	Mastery
<p>3D shapes: names <a href="#">Video 3</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p>	<p>3D shapes: nets <a href="#">Video 4</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>3D shapes: vertices, edges, faces <a href="#">Video 5</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Views: front/side elevation and plan view <a href="#">Video 354</a> <a href="#">Practice Questions</a> <a href="#">Practice Questions answers</a></p> <p>Here is a tool that might help understand front/side elevation and plan view:</p> <p><a href="https://www.mathspad.co.uk/i2/plansElevations.php">https://www.mathspad.co.uk/i2/plansElevations.php</a></p> <p>For some light relief, why not make some nets of your own? Below is a link to some Angry Birds nets, there are plain or coloured versions:</p> <p><a href="https://www.mediafire.com/folder/c3v2gw24uonu4/Angry_Birds_New">https://www.mediafire.com/folder/c3v2gw24uonu4/Angry_Birds_New</a></p> <p>There are also some challenging polyhedral to make here:</p> <p><a href="https://www.greatmathsteachingideas.com/wp-content/uploads/2012/03/Making-3D-Shapes.pdf">https://www.greatmathsteachingideas.com/wp-content/uploads/2012/03/Making-3D-Shapes.pdf</a></p>	<p>Net extension problems: <a href="https://donsteward.blogspot.com/2014/04/net-tasks.html">https://donsteward.blogspot.com/2014/04/net-tasks.html</a> (no answers, sorry)</p> <p>More challenging faces/edges/vertices, particularly the first 4 problems: <a href="https://donsteward.blogspot.com/2018/04/3d-geometry-faces-edges-and-vertices.html">https://donsteward.blogspot.com/2018/04/3d-geometry-faces-edges-and-vertices.html</a> (no answers, sorry)</p> <p>Some challenging plans and elevations questions: <a href="https://donsteward.blogspot.com/2014/04/visualising.html">https://donsteward.blogspot.com/2014/04/visualising.html</a> (no answers, sorry - these ones make my brain ache!)</p>

<p>Perimeter <a href="#">Video 241</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Area: rectangle <a href="#">Video 45</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Area: triangle <a href="#">Video 49</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p>	<p>Circles: area <a href="#">Video 59</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Circles: circumference <a href="#">Video 60</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Perimeter: semi-circle <a href="#">Video 243</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p>	<p>Area/perimeter problems that involve part-circles. Also includes some 'working backwards' type problems: <a href="https://drive.google.com/file/d/0B9L2iYGRIK2bcVBEUDZqenVYb00/iew">https://drive.google.com/file/d/0B9L2iYGRIK2bcVBEUDZqenVYb00/iew</a></p> <p>Working backwards from area/circumference to radius/diameter : <a href="https://www.mathworksheets4kids.com/circles/area-circumference/customary/radius-type1-easy-1.pdf">https://www.mathworksheets4kids.com/circles/area-circumference/customary/radius-type1-easy-1.pdf</a>  <a href="https://www.mathworksheets4kids.com/circles/area-circumference/customary/radius-type2-easy-1.pdf">https://www.mathworksheets4kids.com/circles/area-circumference/customary/radius-type2-easy-1.pdf</a>  <a href="https://www.mathworksheets4kids.com/circles/area-circumference/customary/circumference-area-easy-1.pdf">https://www.mathworksheets4kids.com/circles/area-circumference/customary/circumference-area-easy-1.pdf</a>  <a href="https://www.mathworksheets4kids.com/circles/area-circumference/customary/area-circumference-easy-1.pdf">https://www.mathworksheets4kids.com/circles/area-circumference/customary/area-circumference-easy-1.pdf</a></p>
<p>Two worksheets to support finding the surface area by counting squares: <a href="https://www.mathworksheets4kids.com/surface-area/counting-squares/customary/isometric-dot-paper-1.pdf">https://www.mathworksheets4kids.com/surface-area/counting-squares/customary/isometric-dot-paper-1.pdf</a>  <a href="https://www.mathworksheets4kids.com/surface-area/counting-squares/customary/rectangular-prism-easy-1.pdf">https://www.mathworksheets4kids.com/surface-area/counting-squares/customary/rectangular-prism-easy-1.pdf</a></p>	<p>Surface area: cuboid <a href="#">Video 310</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Surface area: other prisms (particularly triangular) <a href="#">Video 312</a>  <a href="https://worksheetplace.com/mf_pdf/Triangular-Prism-Area-10.pdf">https://worksheetplace.com/mf_pdf/Triangular-Prism-Area-10.pdf</a></p>	<p>Surface area: L-shape prism <a href="#">Video 311</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Surface area: cylinders <a href="#">Video 315</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Extension: try the first slide of surface area of cuboids from Don Steward. <a href="https://donsteward.blogspot.com/2014/03/harder-surface-area-questions.html">https://donsteward.blogspot.com/2014/03/harder-surface-area-questions.html</a> (no answers, sorry)</p>
<p>Multiplication: by 10, 100 etc <a href="#">Video 202</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Division by 10, 100, 1000 <a href="#">Video 99</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p>	<p>Units: Metric units (length) <a href="#">Video 349a</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Units: Metric units (mass) <a href="#">Video 349b</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Units: Metric units (capacity) <a href="#">Video 349c</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p>	<p>Units: converting volumes <a href="#">Video 351</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Converting units of areas occurs earlier in the year, but could be reviewed here, if desired (it is not assessed this half term):  Units: converting areas <a href="#">Video 350</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p>
<p>Volume: cube/cuboid <a href="#">Video 355</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Working backwards from a given cube's volume: <a href="https://www.mathinenglish.com/PWkS/grade6/unknowlengthcube.pdf">https://www.mathinenglish.com/PWkS/grade6/unknowlengthcube.pdf</a></p>	<p>Volume: prism <a href="#">Video 356</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Volume: cylinder <a href="#">Video 357</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Volume: L-shape prism <a href="#">Video 358</a> <a href="#">Practice Questions</a> <a href="#">Textbook Exercise</a> <a href="#">Practice Questions answers</a> <a href="#">Textbook answers</a></p> <p>Working backwards from a given cuboid volume: <a href="https://www.mathinenglish.com/PWkS/grade6/unknownedge(1).pdf">https://www.mathinenglish.com/PWkS/grade6/unknownedge(1).pdf</a></p>	<p>Try the 'Apply' sections of the Corbettmaths worksheets. Focus especially on problems that involve working backwards from a given volume to a missing length</p> <p>Cylinder puzzle: <a href="https://donsteward.blogspot.com/2014/12/three-cylinders.html">https://donsteward.blogspot.com/2014/12/three-cylinders.html</a> (no answers, sorry)</p> <p>Find the volume of these 4 compound shapes: <a href="https://donsteward.blogspot.com/2013/07/four-volumes.html">https://donsteward.blogspot.com/2013/07/four-volumes.html</a> (no answers, sorry)</p>

