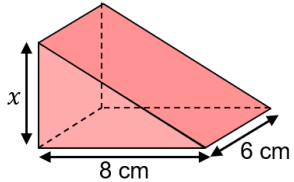
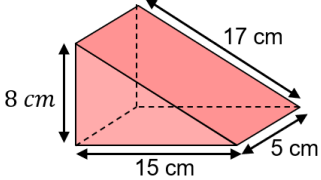
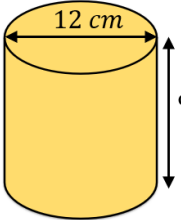
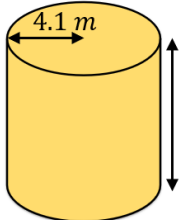
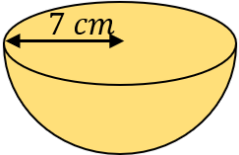
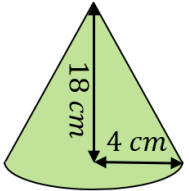
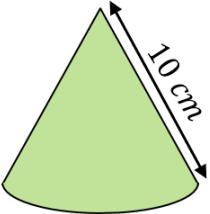


Volume and Surface Area Revision

(a)	(b)	(c)	(d)
<p>The volume of a cuboid is 320 cm^3. Its height is 16 cm and the length is 5 cm. Find the width of the cuboid.</p> <p style="text-align: center; color: red; font-weight: bold;">4 cm</p>	<p>Find the surface area of a cube with side length 8.5 cm.</p> <p style="text-align: center; color: red; font-weight: bold;">433.5 cm^2</p>	<p>The volume of the prism is 264 cm^3. Find x.</p> <div style="text-align: center;">  <p style="color: red; font-weight: bold; margin-top: 5px;">11 cm</p> </div>	<p>Find the surface area of this prism.</p> <div style="text-align: center;">  <p style="color: red; font-weight: bold; margin-top: 5px;">320 cm^2</p> </div>
(e)	(f)	(g)	(h)
<p>Find the volume of the cylinder, leaving your answer in terms of π.</p> <div style="text-align: center;">  <p style="color: red; font-weight: bold; margin-top: 5px;">$324\pi \text{ cm}^3$</p> </div>	<p>Find the total surface area of the cylinder, giving your answer to 3 significant figures.</p> <div style="text-align: center;">  <p style="color: red; font-weight: bold; margin-top: 5px;">294 m^2</p> </div>	<p>The volume of a sphere is $288\pi \text{ cm}^3$. Find the radius of the sphere.</p> <p style="text-align: center; color: red; font-weight: bold; margin-top: 20px;">6 cm</p>	<p>Find the total surface area of the hemisphere, giving your answer to 3 significant figures.</p> <div style="text-align: center;">  <p style="color: red; font-weight: bold; margin-top: 5px;">462 cm^2</p> </div>
(i)	(j)	(k)	
<p>Find the volume of the cone, leaving your answer in terms of π.</p> <div style="text-align: center;">  <p style="color: red; font-weight: bold; margin-top: 5px;">$96\pi \text{ cm}^3$</p> </div>	<p>A cone has a slanted height of 10 cm and a curved surface area of $60\pi \text{ cm}^2$. Find the volume of the cone, giving your answer to 3 significant figures.</p> <div style="text-align: center;">  <p style="color: red; font-weight: bold; margin-top: 5px;">302 cm^3</p> </div>	<p>A cylinder has a height of 16 cm and a radius of $x \text{ cm}$. A sphere has a radius of $2x \text{ cm}$. The volume of the cylinder and the sphere are equal. Find the value of x.</p> <p style="text-align: center; color: red; font-weight: bold; margin-top: 20px;">1.5 cm</p>	