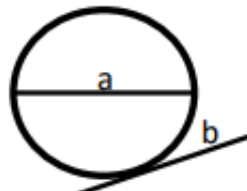
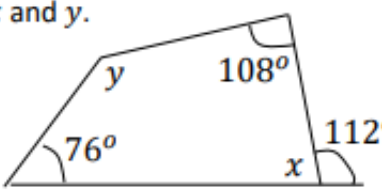
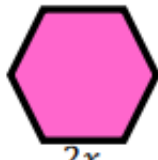
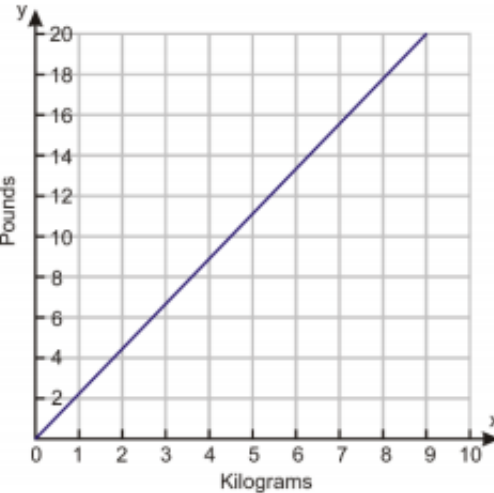

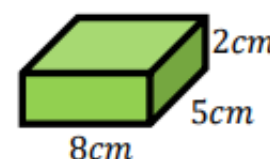


Year 9 End of Year Task

These questions cover a variety of topics which you will see in year 10. Try to complete them for practice! Videos on all these topics can be found at www.corbettmaths.com

<p>1) Calculate the mean, median, mode and range from the following list of numbers.</p> <p>5, 12, 10, 8, 13, 12, 7, 12, 11</p>	<p>2) Calculate the nth term rule of the sequence.</p> <p style="text-align: center;">2, 5, 8, 11, 14 ...</p>	<p>3) Expand and Simplify</p> <p style="text-align: center;">$4(x - 3) - 2(x - 9)$</p>	<p>4) Work out</p> <p style="text-align: center;">$\frac{2}{5}$ of £140</p>	<p>5) Name the parts of the circle a and b.</p> <div style="text-align: center;">  </div>
<p>6) Evaluate</p> <p style="text-align: center;">$5 + -9$</p> <p style="text-align: center;">$18 \div -6$</p>	<p>7) Calculate the missing angles x and y.</p> <div style="text-align: center;">  </div>	<p>8) Place the following numbers in ascending order.</p> <p style="text-align: center;">1.02, 0.4, 1, 0.04, 0.24, 0.042</p>	<p>9) Solve</p> <p style="text-align: center;">$4(x - 5) = 12$</p>	<p>10) Complete the following sentence with either; Impossible, unlikely, even, likely or certain.</p> <p>Abdullah rolls a dice. It is _____ he will roll a six.</p>
<p>11) Write a formula for the perimeter of the regular shape.</p> <div style="text-align: center;">  </div>	<p>12) 657 passengers paid £247 each for a cruise on a small cruise ship. Estimate the amount paid by the passengers in total.</p>	<p>13) A shop has a 15% sale. Originally a computer cost £275. How much does the computer cost in the sale?</p>	<p>14)</p> <div style="display: flex; align-items: center;"> <div style="flex: 1;">  </div> <div style="flex: 1; padding-left: 20px;"> <p>Brittney weighs a car on a set of industrial scales.</p> <p>It weighs 900kg.</p> <p>Estimate the cars weight in pounds.</p> </div> </div>	
<p>15) The area of a rectangle is 48 cm^2. What is the difference between the smallest and largest perimeter the shape could have?</p>	<p>16) A sample of boys were asked their favourite sport. 45 boys said tennis. How many boys were in the sample in total?</p> <div style="text-align: center;">  </div>	<p>17) Draw the net of the cuboid on cm squared paper.</p> <div style="text-align: center;">  </div>		

Challenge

Georgia and Courtney share sweets in the ratio 4: 7.
 Courtney gets 24 more sweets than Georgia.
 How many sweets do they both get?