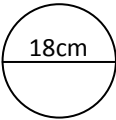
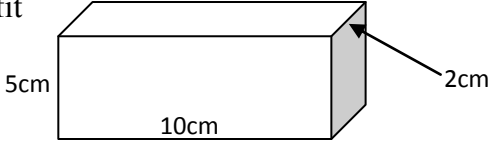
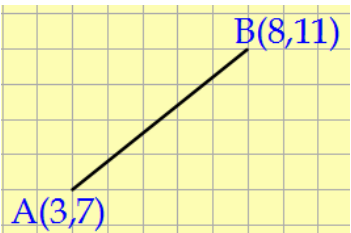

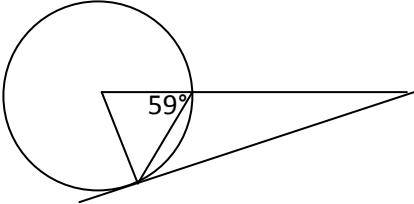
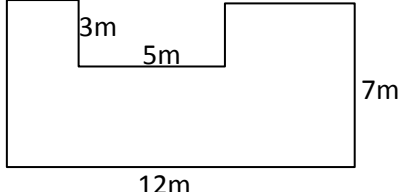
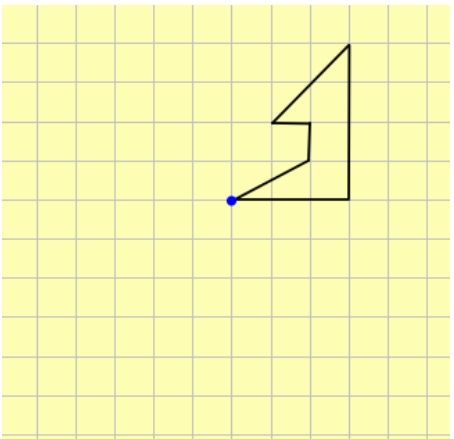



Level 4 Revision Checklist 3

a) Evaluate $20 - 4 \times 7 + 1$ $(20 - 4) \times 7 + 1$ $20 - (4 \times 7 + 1)$	BIDMAS <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
b) Write: 772300000 into scientific notation 3.81×10^{-6} in full.	Scientific Notation <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
c) NASA's X-43 jet has a top speed of 6,600mph. How far would it travel if it kept flying non-stop at that speed for two weeks? Give your answer in scientific notation.	Distance, Speed & Time <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
d) Pete played three rounds of golf and his average number of shots per round was 76. He played a fourth round and his average reduced to 74. How many shots did he take in his fourth round?	Statistics <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
e) Bobbi spends $\frac{2}{5}$ of her money in one shop and $\frac{1}{4}$ of her money in another. What fraction of her money does she have left?	Fractions <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
f) Simplify: $2(x + 4)$ $5 + 3(2x - 5) + 1$. Factorise: $20x - 30$ $56x - 28$ $y^2 + 6y$.	Brackets & Factors <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
g) Calculate the circumference and area of this circle, giving your answers to 3 significant figures: 	Circles <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
h) How many of these cuboids will fit inside a cuboid with a volume of 1m^3 ($1\text{m} \times 1\text{m} \times 1\text{m}$)? 	Volume of Prisms <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
i) Change the subject of these formulae to x : $y = x + 3$ $t = 3x$ $m = 2x - n$.	Changing the Subject <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
j) The probability of a broken egg being found in an egg box is 8%. How many eggs would you expect to be broken in a crate of 300 egg boxes?	Probability <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
k) Calculate the gradient of the line between the points A (3,7) and B(8,11). 	Gradients & Lines <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

<p>l) Calculate x.</p> 	<p>Trigonometry</p> <p>☹ ☺ ☺</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>
<p>m) Copy these diagrams and calculate the remaining angles:</p> 	<p>Angle & Circle Theorems</p> <p>☹ ☺ ☺</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>
<p>n) Calculate the perimeter and area of this shape.</p> 	<p>Quadrilaterals</p> <p>☹ ☺ ☺</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>
<p>o) Complete this shape so that it has half-turn symmetry:</p> 	<p>Rotational Symmetry</p> <p>☹ ☺ ☺</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>
<p>p) Solve:</p> $3x + 4 = 19$ $8x + 1 = 5x + 10$ $9x + 7 = x - 25$ $\frac{1}{3}x - 2 = 4.$	<p>Equations & Inequations</p> <p>☹ ☺ ☺</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>
<p>q) Work out the enlargement scale factor between these shapes:</p>  <p>Calculate x.</p>	<p>Ratio & Proportion</p> <p>☹ ☺ ☺</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>
<p>r) A rectangle ABCD has coordinates A(3,2), B(8,2), C(3,-3) and D(8,-3). The rectangle is moved two units right and one unit down. Write down the coordinates of the new points. Label them A', B', C' and D'.</p>	<p>Transformation</p> <p>☹ ☺ ☺</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>