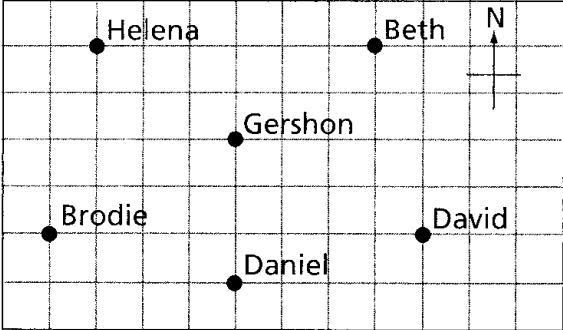



Year 9 Math homework revision 6

Multiple Choice (1-5)																			
1	<p>The table shows the minimum temperatures on a June morning in some Australian cities.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>City</th> <th>Minimum temperature (°C)</th> </tr> </thead> <tbody> <tr> <td>Brisbane</td> <td>8</td> </tr> <tr> <td>Sydney</td> <td>10</td> </tr> <tr> <td>Canberra</td> <td>-3</td> </tr> <tr> <td>Melbourne</td> <td>6</td> </tr> <tr> <td>Hobart</td> <td>2</td> </tr> <tr> <td>Adelaide</td> <td>8</td> </tr> <tr> <td>Perth</td> <td>3</td> </tr> <tr> <td>Darwin</td> <td>19</td> </tr> </tbody> </table> <p>What is the range of temperatures in the table? a) 8 b) 16 c) 19 d) 22</p>	City	Minimum temperature (°C)	Brisbane	8	Sydney	10	Canberra	-3	Melbourne	6	Hobart	2	Adelaide	8	Perth	3	Darwin	19
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2	<p>If $a = 6$, what is the value of $\frac{4 + a}{2}$?</p> <p>a) 2 b) 4 c) 5 d) 7</p>																		
3	<p>The diameter of a circle is 28cm. What is the area of the circle to the nearest centimeter?</p> <p>a) 88 cm^2 b) 616 cm^2 c) 1231 cm^2 d) 2463 cm^2</p>																		
4	<p>This is a plan of a small town showing the location of the homes of school friends.</p>  <p>Gershon is at his home and facing West. He then turns 135° in a clockwise direction. Whose home is Gershon now facing?</p> <p>a) Brodie b) Helena c) Beth d) David</p>																		
5	<p>The graph shows the age in years and height in cm of two teachers at school, Mr Saperas and Miss Beacher.</p>  <p>Which of these statements is true?</p> <p>a) Miss Beacher is taller and older than Mr Saperas. b) Mr Saperas is shorter and older than Miss Beacher.</p>																		

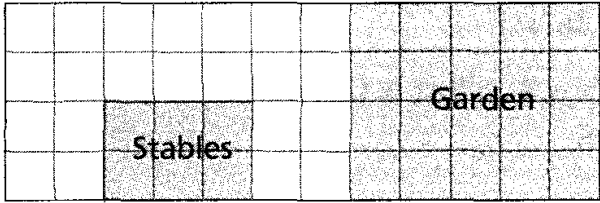
	<p>c) Mr Saperas is taller and older than Miss Beacher. d) Miss Beacher is shorter and younger than Mr Saperas.</p>
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6	<p>The surface area of a cube is given by the formula $A = 6s^2$, where A is the surface area and s is the length of each side. What is the surface area for a cube with a side of 4 cm? Write your answer in the box: <input style="width: 50px; height: 20px;" type="text"/> cm^2</p>
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7	<p>The table shows the increase in height of four plants in a science experiment over a 24-hour period.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Plant height</th> <th>Tuesday height</th> <th>Wednesday increase</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>61 cm</td> <td>61.5 cm</td> <td>0.8%</td> </tr> <tr> <td>B</td> <td>42 cm</td> <td>42.3 cm</td> <td>0.7%</td> </tr> <tr> <td>C</td> <td>80 cm</td> <td>?</td> <td>0.5%</td> </tr> <tr> <td>D</td> <td>38 cm</td> <td>38.6 cm</td> <td>1.6%</td> </tr> </tbody> </table> <p>What was the height of Plants C on Wednesday?</p>	Plant height	Tuesday height	Wednesday increase	%	A	61 cm	61.5 cm	0.8%	B	42 cm	42.3 cm	0.7%	C	80 cm	?	0.5%	D	38 cm	38.6 cm	1.6%
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8	<p>At a school dance the ratio of boys to girls was 2 : 3. There were 480 girls at the dance. What was the total number of students who attended the dance?</p>
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9	<p>Jono wrote this equation for y in terms of x:</p> $y = 12 - \frac{3x}{4}$ <p>What is the value of y if $x = 1.6$?</p>
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10	<p>Here is a plan of a small farm.</p>  <p>The area of the stables is 24 m^2 What is the area of the garden?</p>
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