
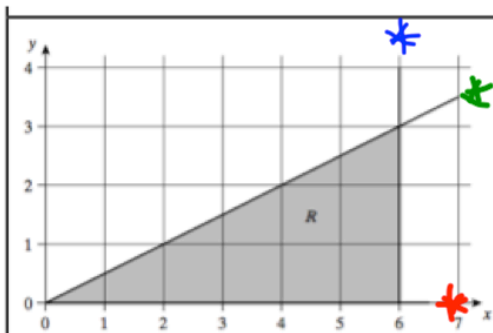


February 26th	5-a-day	Numeracy
<p>Add together 155 and 418</p> $\begin{array}{r} 155 \\ + 418 \\ \hline 573 \end{array}$	<p>Subtract 183 from 824</p> $\begin{array}{r} 824 \\ - 183 \\ \hline 641 \end{array}$	
<p>Multiply 58 by 3</p> $\begin{array}{r} 58 \\ \times 3 \\ \hline 24 \\ 150 \\ \hline 174 \end{array}$	<p>Divide 720 by 5</p> $5 \overline{)720}$	
<p>Key: <input type="checkbox"/> represents 2 people</p> <p>Male <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 8</p> <p>Female <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 6</p>	<p>How many more Males than Females were there?</p> $8 - 6 = 2$	

On the number line above, both steps are the same size. What size is 12 each step?

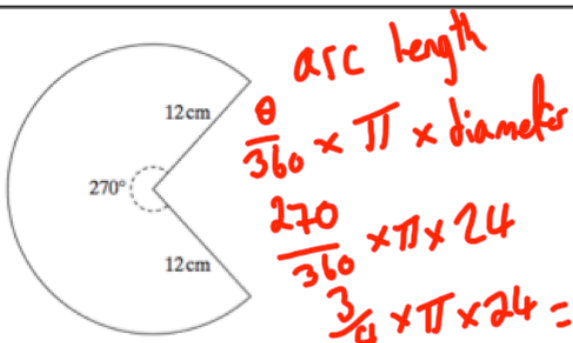
February 26th	5-a-day	Foundation															
Solve $12c + 5 = 2c + 31$ $-2c \quad -2c$ $10c + 5 = 31$ $-5 \quad -5$ $10c = 26$ $\div 10 \quad \div 10$ $c = 2.6$	$\underline{\underline{c = 2.6}}$																
	Complete this table <table border="1" data-bbox="699 658 1118 831"> <tr> <td>Pattern</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Lines</td> <td>6</td> <td>11</td> <td>16</td> <td>21</td> </tr> <tr> <td></td> <td></td> <td></td> <td>=</td> <td>=</td> </tr> </table>	Pattern	1	2	3	4	Lines	6	11	16	21				=	=	
Pattern	1	2	3	4													
Lines	6	11	16	21													
			=	=													
Write an expression for the number of lines for pattern n n^{th} term:	$\begin{array}{cccc} 6 & 11 & 16 & 21 \\ s_n & 5 & 10 & 15 & 20 \end{array}$ $\underline{\underline{5n+1}}$																
Rearrange $y = x^2 + a$ to make x the subject $x = \sqrt{y-a}$	$\begin{array}{l} y = x^2 + a \\ -a \quad -a \\ y - a = x^2 \\ \sqrt{y-a} = x \end{array}$																
$7\frac{1}{2} - 2\frac{2}{3}$ $\frac{15}{2} - \frac{8}{3}$ $\frac{45}{6} - \frac{16}{6} = \frac{29}{6}$	$\frac{29}{6} = 4\frac{5}{6}$																

February 26th	5-a-day	Higher
<p>Write 0.484848.... as a fraction in its simplest form.</p> <p>$x = 0.4848\overline{48}$ $100x = 48.4848\overline{48}$</p>	<p>$100x = 48.4848\overline{48}$ sub $x = 0.4848\overline{48}$ <hr/> $99x = 48$ $x = \frac{48}{99} = \frac{16}{33}$</p>	
<p>Simplify $(2x^2y^4)^3$</p> <p>$8x^6y^{12}$</p>	<p>Simplify $(a^4b^{-3})^{-2}$</p> <p>$a^{-8}b^6$</p>	
<p>Find the gradient of the line with equation $2y - 3x = 10$</p> <p>$\frac{3}{2}$ or 1.5</p>	<p>$2y - 3x = 10$ $2y = 3x + 10$ $y = \frac{3}{2}x + 5$</p>	



Write down the three inequalities which describe the shaded region

* $x \leq 6$
 * $y \geq 0$
 * $y \leq \frac{1}{2}x$



Calculate the perimeter of this sector

Perimeter = $12 + 12 + 56.54\overline{54}$
 $= 80.5\overline{54}$

or $12 + 12 + 18\pi = 24 + 18\pi$
 18π or $56.54\overline{54}$