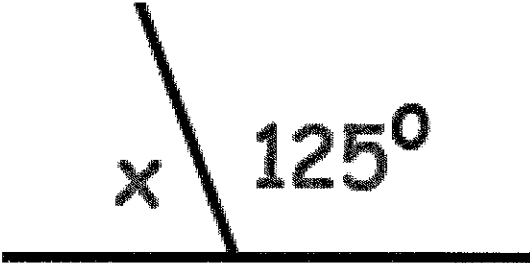
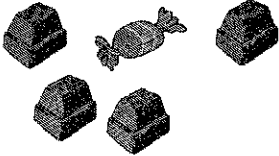
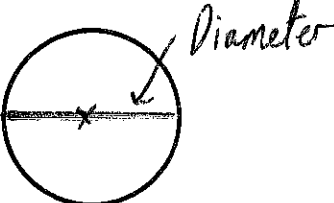
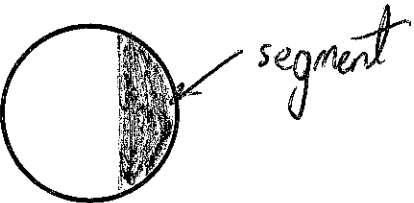
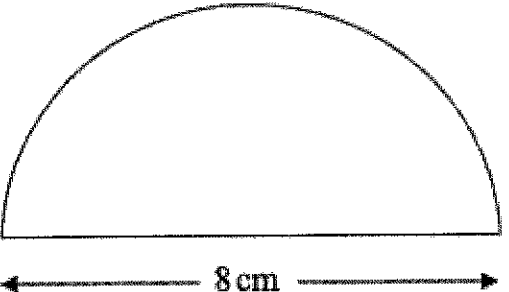
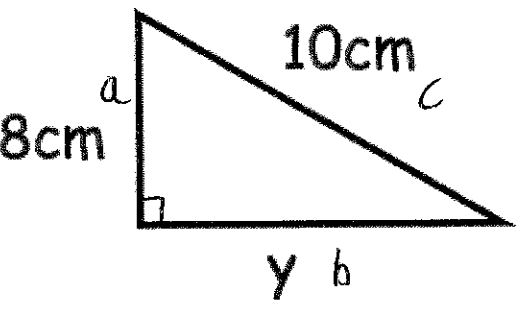


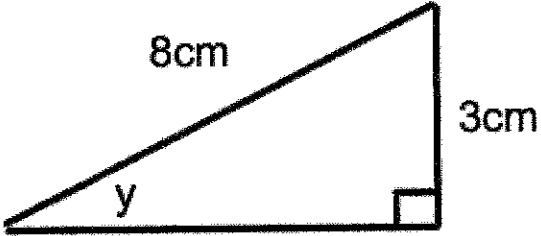
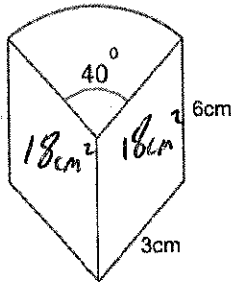
Name: _____

December 24th	5-a-day	Numeracy
<p>Write down the value of the digit 3</p> <p>4356</p>	<p>300</p>	
	<p>Find x</p> <p>55°</p>	
 <p>Kayleigh has 4 chocolates and 1 candy</p>	<p>She chooses one sweet at random.</p> <p>Write down the probability of a chocolate.</p> <p>$\frac{4}{5}$</p>	
<p>Work out 10% of 70.</p> <p>7</p>	<p>Work out 90% of 70.</p> <p>63</p>	
<p>In a French test, Leah scored 13 out of 20. In a German test she scored 17 out of 25.</p> <p>Which is the better mark?</p>	<p><u>Leah</u></p> <p>French $\frac{13}{20} = \frac{65}{100} = 65\%$</p> <p>German $\frac{17}{25} = \frac{68}{100} = 68\%$</p> <p><u>German</u></p>	

Name: _____

December 24	5-a-day	Foundation
<p>Solve $5(y + 3) = 100$</p> $5y + 15 = 100$ $5y = 85$ $y = 17$	<p>Solve $3w + 3 = w + 10$</p> $2w + 3 = 10$ $2w = 7$ $w = 3.5$	
 <p>Draw and label a diameter</p>	 <p>Draw and label a segment</p>	
<p>There are 200 cars in a car park. 40 of the cars are blue.</p> <p>Write the relative frequency of a blue car</p> $\frac{40}{200} = \frac{1}{5}$	<p>The relative frequency of a red car is 0.3.</p> <p>How many red cars are there?</p> $200 \times 0.3 = \underline{60}$	
	<p>Calculate the area</p> $\frac{1}{2} (\pi \times 4^2) = \frac{1}{2} (\pi \times 16)$ $= 8\pi$ $= 25.132 \dots \text{cm}^2$	
	<p>Calculate y</p> $a^2 + b^2 = c^2$ $8^2 + y^2 = 10^2$ $64 + y^2 = 100$ $y^2 = 36 \quad y = \underline{6 \text{ cm}}$	

Name: _____

December 24	5-a-day	Higher
	<p>Calculate angle y</p> <p style="text-align: center;">22.02°</p>	
<p>Solve</p> $3(x + 12) = x + 6$	$3x + 36 = x + 6$ $2x + 36 = 6$ $2x = -30$ $x = -15$	
<p>Make x the subject</p> $y(x - 8) = x + 7$ $xy - 8y = x + 7$ $xy - x = 7 + 8y$ $x(y - 1) = 7 + 8y$	$y = \frac{x + 7}{x - 8}$ $x = \frac{7 + 8y}{y - 1}$	
<p>Evaluate $25^0 + 25^{1/2}$</p> $1 + 5 = 6$	<p>Calculate the surface area of the prism.</p> <p>top: $\frac{40}{360} \times \pi \times 3^2 = \pi \text{ cm}^2$</p> <p>bottom: $\pi \text{ cm}^2$</p> <p>curved face: Ch</p> $\frac{40}{360} \times \pi \times 6 \times 6 = 4\pi$	
	<p>Surface Area: $36\pi + 6\pi \text{ cm}^2$</p> <p>or</p> 54.85 cm^2	