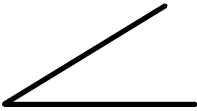
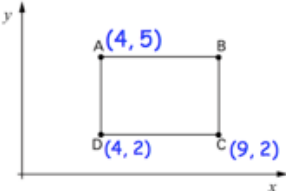


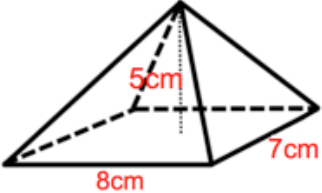
Name: _____

September 25th	5-a-day	Numeracy
Draw an acute angle. 		
What is the sum of the factors of 15? <i>1, 3, 5, 15</i>		<i>24</i>
Hollie says all prime numbers are odd. Explain why she is wrong.		<i>2 is prime, yet even.</i>
Give two different pairs of numbers that multiply together to give 96. <i>1 and 96 2 and 48</i>		
	Write down the coordinates of B.	<i>(9, 5)</i>

Name: _____

September 25	5-a-day	Foundation
<p>Work out the nth term of</p> <p>11 16 21 26</p> <p>$S_n + 6$</p>	<p>Work out the 70th term.</p> <p>396</p>	
<p>Estimate $\frac{7.88 \times 5.2}{0.199}$</p>	<p>$\frac{8 \times 5}{0.2} = \frac{40}{0.2}$</p> <p>$\frac{400}{2} = 200$</p>	
<p>James buys 12 boxes of orange juice.</p> <p>The cost of each box is £3.</p> <p>Each box contains 10 cartons of orange juice.</p> <p>James sells $\frac{3}{4}$ of the cartons for 60p each.</p> <p>He then reduces the price by 25% and sells the remaining cartons.</p> <p>Work out the total profit.</p>	<p>120 cartons</p> <p>$90 \times 60p = \pounds 54$</p> <p>$30 \times 45p = \pounds 13.50$</p>	
<p>Make a the subject</p> <p>$S = \frac{W}{a}$</p>	<p>$aS = W$</p> <p>$a = \frac{W}{S}$</p>	

Name: _____

September 25	5-a-day	Higher
<p>Expand and simplify</p> <p>$(3y - 2)(2y + 3)$</p> <p>$6y^2 + 9y - 4y - 6$</p>	<p>$6y^2 + 5y - 6$</p>	
<p>There are 20 students in class 1. There are 10 students in class 2.</p> <p>Both classes sit the same test.</p> <p>The mean mark in class 1 is 70%. The mean mark in class 2 is 90%</p>	<p>Work out the overall mean for both classes.</p> <p>$20 \times 70 = 1400$ $10 \times 90 = 900$ $2300 \div 30$ 76.6%</p>	
	<p>Calculate the volume of the pyramid</p> <p>$\frac{1}{3}(7 \times 8) \times 5$ $93\frac{1}{3} \text{ cm}^3$</p>	
<p>Solve the simultaneous equations</p> <p>$2x + y = 21$ $\times 2$ $x - 2y = 8$</p>	<p>$4x + 2y = 42$ $x - 2y = 8$ <hr/>$5x = 50$ $x = 10$ $y = 1$</p>	
<p>Work out</p> <p>$\sqrt{8} + \sqrt{50}$</p> <p>$2\sqrt{2} + 5\sqrt{2}$ $= 7\sqrt{2}$</p>		