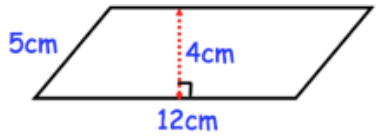
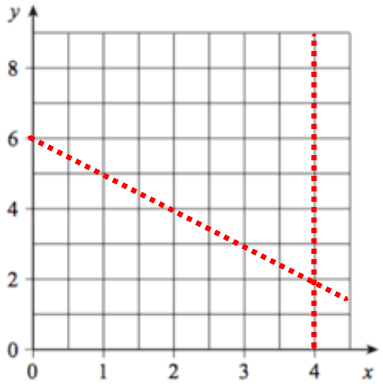
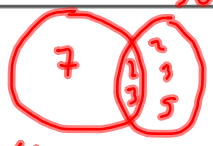
Name: _____

September 7th	**5-a-day**	**Numeracy**
10^2 100	2^3 8	
 A pizza is cut into eight equal slices. Martin eats 3 of them	What fraction of the pizza did Martin eat? $\frac{3}{8}$	
Write down the square root of 36. 6		
Write 5% as a decimal 0.05	Write 0.7 as a fraction $\frac{7}{10}$	
Work out $\frac{5}{8}$ as a percentage. 62.5%		

Name: _____

September 7	**5-a-day**	**Foundation**
Work out 12% of £500 £60		Decrease 60 by 5% 57
2x + 7 x+3 x + 3 2x+7 The perimeter is 50cm.		Find x 6x + 20 = 50 6x = 30 x = 5
		Calculate the area of the parallelogram. 48cm²
On the grid, draw the graph of x = 4		
On the grid, draw the graph of x + y = 6 x | 0 1 2 y | 6 5 4		

Name: _____

September 7	5-a-day	Higher
$4\frac{1}{4} \div 2\frac{3}{5}$ $\frac{17}{4} \div \frac{13}{5}$	$\frac{17}{4} \times \frac{5}{13} = \frac{85}{52}$ $1\frac{33}{52}$	
A light flashes every 42 seconds. A buzzer buzzes every 3 minutes (180 seconds) They both operate, how long until they both operate again? $42 = 2 \times 3 \times 7$ $180 = 2^2 \times 3^2 \times 5$	 LCM = 1260 21 minutes	
Factorise $y^2 + 8y + 12$ $(y+6)(y+2)$	Factorise $4y^2 - 25$ $(2y-5)(2y+5)$	
A is inversely proportional to N^2 When A = 10, N = 2. Find A when N = 4. $A = \frac{40}{N^2}$ $A = \frac{40}{16} = 2.5$	$A \propto \frac{1}{N^2}$ $A = \frac{k}{N^2}$ $10 = \frac{k}{2^2}$ $k = 40$	
Line 1 has gradient 4 and passes through the point (2, 9). What is its equation? $y = 4x + 1$	Write down the equation of a line perpendicular to line 1. $y = -\frac{1}{4}x + 5$ $y = -\frac{1}{4}x$ etc	