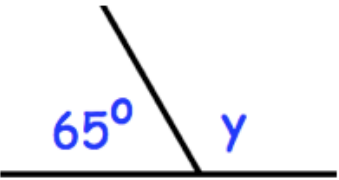
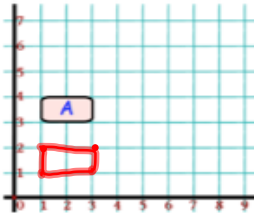


Name: _____

October 1st	5-a-day	Numeracy
		115°
Simplify $4a + 2a - a$ $5a$	Simplify $3w + 8y - 2w + 2y$ $w + 10y$	
Write down all the factors of 30 $1, 2, 3, 5, 6, 10,$ $15, 30$	Write down all the multiples of 4 between 15 and 25 $16 \quad 20 \quad 24$	
A football shirt normally costs £40. A shop offers a 20% discount. What is the new price of the football shirt?	$£32$	
Helen is paid £10 per hour. She works $2\frac{1}{2}$ hours each day. In one week she worked 5 days. How much did Helen earn in that week?	$£25$ $\times 5$ $£125$	

Name: _____

October 1	5-a-day	Foundation
$\begin{array}{c cc} x & 2 & -10 \\ \hline 7 & 14 & -70 \\ -8 & -16 & 80 \end{array}$		
<p>Write 18 as a product of primes. Give your answer in index form.</p> $2 \times 3 \times 3$	2×3^2	
<p>Martin asked 6 friends their age.</p> <p>21 28 28 28 29 30</p> <p>If a seventh friend has an age of 34, will the mean decrease, increase or stay the same?</p>	<p>increase</p>	
<p>Expand and simplify</p> $4(x^2 + 5) + 3(x^2 - 1)$ $4x^2 + 20 + 3x^2 - 3$	$7x^2 + 17$	
	<p>Translate A by vector</p> $\begin{pmatrix} 0 \\ -2 \end{pmatrix}$	

Name: _____

October 1	5-a-day	Higher
$(2.1 \times 10^{-5}) \div (7 \times 10^{-4})$ 0.3×10^{-1} 3×10^{-2}		
Solve the simultaneous equations $y = 13 - 4x$ $3x + 2y = 16$	$8x + 2y = 26$ $3x + 2y = 16$ <hr/> $5x = 10$ $x = 2$ $y = 5$	
Simplify fully $\frac{c-2}{14} \times \frac{12^3}{2c-4}$	$\frac{3c-6}{2c-4} \times \frac{3(c/2)}{2(c/2)}$ $\frac{3}{2}$	
$25^? = 125$ $25^{\frac{3}{2}} = 125$		
£5200 is invested at 2.8% compound interest per annum. How many years will it take for the investment to exceed £7000.	5200×1.028^n <u>11 years</u>	