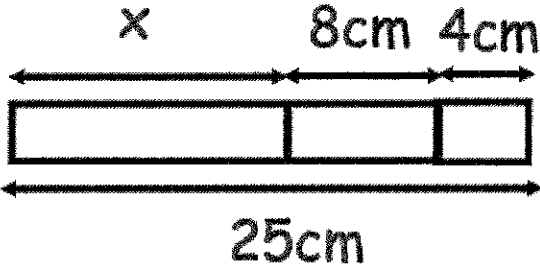


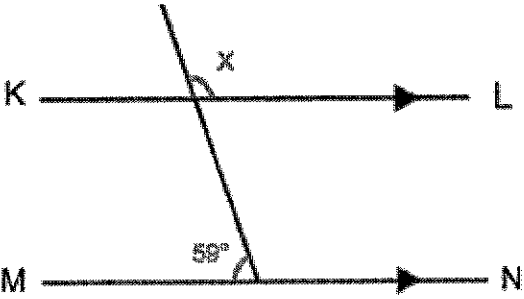
Name: _____

November 9th	5-a-day	Numeracy
12^2 144		
 <p>Find x</p> 13cm		
6 4 2 9 11 11 (a) What is the median? 2 6 9 N N 7.5 (b) What is the mode? 11	(c) What is the range? $11 - 2 = 9$	
123 119 115 Write down the next two terms 111 107	22 cannot be a term in this sequence. Why? All the terms in the sequence are odd. 22 is even.	
Simplify $6x + 2y - 3x + 7y$ 3x $3x + 9y$		

Name: _____

November 9	5-a-day	Foundation
<p>Expand $(x + 4)(x - 5)$</p> $x^2 - 5x + 4x - 20$ $x^2 - x - 20$		
<p>Simplify</p> $x^3 + x^3$ $2x^3$	<p>Simplify</p> $y^3 \times y^3$ y^6	
<p>What is the reciprocal of</p> $\frac{3}{4}$ $\frac{4}{3} \text{ or } 1\frac{1}{3}$		
<p>Solve $\frac{x}{5} - 3 = 7$</p>		$\frac{x}{5} = 10$ $x = 50$
<p>Estimate 100.8×2.1 0.199</p>		$\approx \frac{100 \times 2}{0.2} = \frac{200}{0.2}$ 1000

Name: _____

November 9	5-a-day	Higher
<p>A has coordinates (2, -7) B has coordinates (6, 11)</p> <p>Calculate the coordinates of M, the midpoint of AB.</p>	$(4, 2)$	
<p>Write 144 as a product of primes.</p>	<p>Find the HCF of 60 and 144.</p>	
	<p>Find x.</p>	
<p>Evaluate</p> <p>81^{0.5} 9</p>	$23x = -184$ $x = -8$ <p>sub $x = -8$ into ①</p> $-40 + 2y = -34$ $2y = 6$ $y = 3$ <p>check in ②</p> $-32 - 9 = -41 \checkmark$	
<p>Solve the simultaneous equations</p> $5x + 2y = -34 \quad (1)$ $4x - 3y = -41$ $15x + 6y = -102$ $8x - 6y = -82 \quad \text{Add}$		