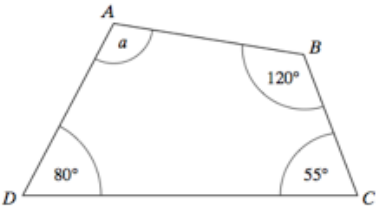


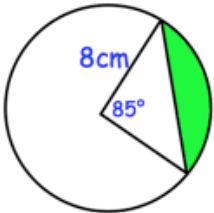
Name: _____

October 18th	5-a-day	Numeracy
Round 1060 to the nearest hundred. 1100	Round 1060 to the nearest thousand. 1000	
Simplify fully $\frac{120}{200}$ $\frac{12}{20} = \frac{6}{10}$	$\frac{3}{5}$	
Circle any prime number 6 9 10 11 12 13 15 18		
	Find a $120 + 80 + 55 = 255$ $360 - 255$ 105°	
Three coffees cost £3.60. What is the cost of seven coffees? $£1.20 \text{ each}$	$£8.40$	

Name: _____

October 18	5-a-day	Foundation
Work out the cube root of 64 4		
The angles in a quadrilateral are in the ratio 1:2:3:4 What is the size of each angle? $36^\circ, 72^\circ, 108^\circ, 144^\circ$	$1+2+3+4 = 10$ $360 \div 10 = 36$	
$R = 8 - \sqrt{S}$ Calculate R if S = 100	$R = 8 - \sqrt{100}$ $R = 8 - 10$ $R = -2$	
£500 is invested at 10% interest for two years. How much money will there be after 2 years?	1 st year £550 2 nd £605	
Expand and simplify $4(2x^2 + 3) - 3(x^2 - 2)$ $8x^2 + 12 - 3x^2 + 6$	$5x^2 + 18$	

Name: _____

October 18	5-a-day	Higher
<p>Write as a fraction</p> $10^{-3} \quad \frac{1}{1000}$	<p>Write down the value of</p> $10^0 \quad 1$	
<p>Michael received a pay rise of 14%. He now receives £319.20 a week.</p> <p>What was his weekly salary?</p>	$114\% = 319.20$ $1\% = 2.8$ $100\% = 280$	
<p>Make y the subject</p> $y + 3 = x(y + 2)$ $y + 3 = xy + 2x$ $y - xy = 2x - 3$	$y(1-x) = 2x-3$ $y = \frac{2x-3}{1-x}$	
<p>Simplify fully</p> $\sqrt{2}(\sqrt{2} - \sqrt{8})$ $2 - \sqrt{16} \quad 2 - 4$ $= -2$	<p>Find the shaded area.</p> <p>triangle $\frac{1}{2} \times 8 \times 8 \times \sin 85$</p> $= 31.878\dots \text{cm}^2$	
 <p>Sector $\frac{85}{360} \times \pi \times 8^2$</p> $= 47.47\dots \text{cm}^2$	$47.47\dots - 31.878$ $= 15.595 \text{cm}^2$	