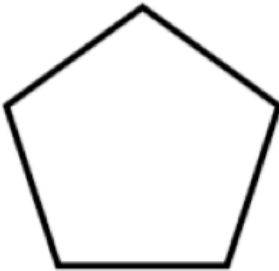
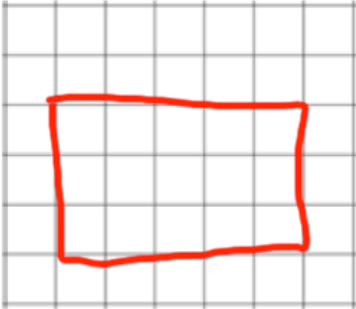
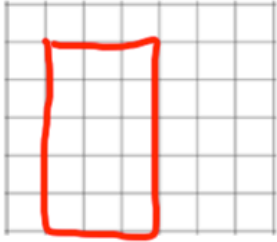
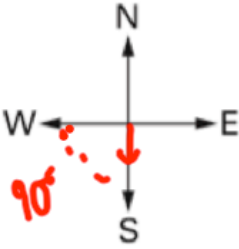
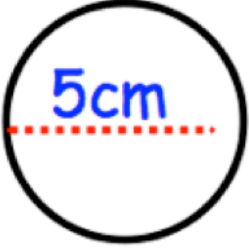
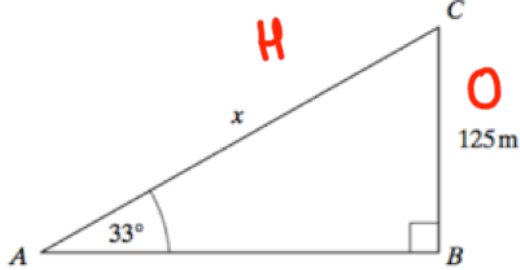
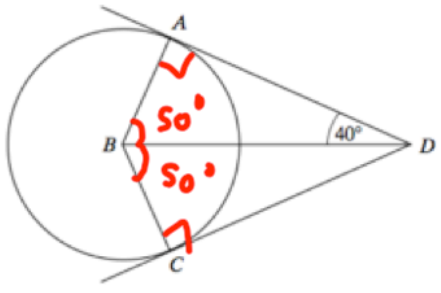


February 25th	5-a-day	Numeracy
	<p>Measure the perimeter of the pentagon</p> <p>Measure all 5 sides and add up the measurements</p> <p>or measure 1 side and times it by 5.</p>	
	<p>On the centimetre grid, draw a rectangle with area 15cm²</p> <p>or</p> 	
<p>10²</p> <p>10 × 10</p> <p>100</p>	<p>5² + 4²</p> <p>5 × 5 + 4 × 4</p> <p>25 + 16</p> <p>= 41</p>	
	<p>Bob is facing South. He turns clockwise through 90 degrees.</p> <p>Which direction is he now facing?</p> <p>West</p>	
<p>638 - 193</p> <p>445</p>	$\begin{array}{r} 638 \\ - 193 \\ \hline 445 \end{array}$	

February 25th	5-a-day	Foundation
<p>The probability that United will win the next match is 0.55.</p> <p>The probability that United will draw their next match is 0.1</p>		<p>Work out the probability that United will lose their next match. <u>0.35</u></p> $0.55 + 0.1 = 0.65$ $1 - 0.65 = 0.35$
<p>A drink contains 50ml of Fruit Juice and 200ml of Water.</p> <p>Write the ratio of Fruit Juice to Water. Give your answer in its simplest form.</p>		$50 : 200$ $5 : 20$ $\underline{1 : 4}$
		<p>Calculate the circumference</p> $C = \pi \times d$ $C = \pi \times 5$ $C = 15.7079\dots$ $C = 15.7 \text{ cm to 1 dp}$
<p>Solve</p> $5x + 2 = 3x + 14$		$5x + 2 = 3x + 14$ $\begin{array}{r} -3x \\ -3x \end{array}$ $2x + 2 = 14$ $\begin{array}{r} -2 \\ -2 \end{array}$ $2x = 12$ $\begin{array}{r} \div 2 \\ \div 2 \end{array}$ $x = 6$
<p>Factorise fully</p> $4a^2 + 8ac$		$4a(a + 2c)$

February 25th	5-a-day	Higher
	Calculate x	$\sin x = \frac{\text{opp}}{\text{hyp}}$ $\sin 33 = \frac{125}{x}$ $x \sin 33 = 125$ $x = \frac{125}{\sin 33} = \underline{229.5m}$
Simplify $(5xy^2)^3$		$125x^3y^6$
	What size is angle ABC?	100°
Simplify $\sqrt{27}$ $\sqrt{9} \times \sqrt{3} = \underline{3\sqrt{3}}$ Simplify $\sqrt{300}$ $\sqrt{100} \times \sqrt{3} = \underline{10\sqrt{3}}$	Work out $\sqrt{27} + \sqrt{300}$	$3\sqrt{3} + 10\sqrt{3}$ $= \underline{13\sqrt{3}}$
Find a and b such that: $x^2 - 8x + 20 = (x - a)^2 + b$		$(x - 4)^2 - 16 + 20$ $(x - 4)^2 + 4$ $a = 4 \quad b = 4$