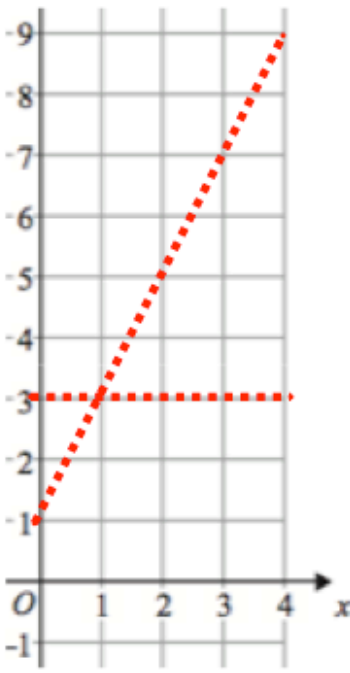
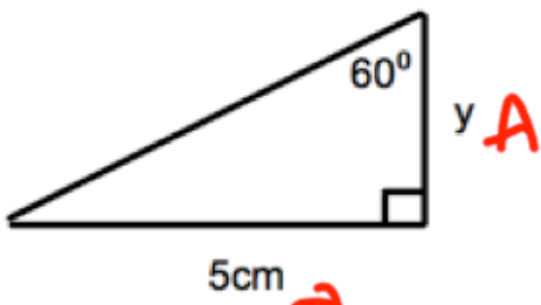
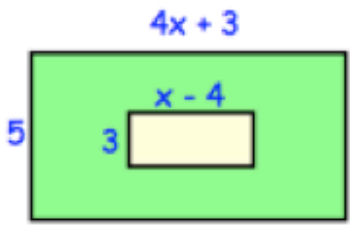


June 12th	5-a-day	Numeracy
Arrange in order, smallest first. 2100, 2070, 2002, 1990, 2010, 1998, 2092		$1990, 1998, 2002,$ $2010, 2070, 2092,$ $2100.$
Work out 10% of 80 8	14×4 56	
Find the mean of: $21 + 25 + 27 + 20 + 23 + 26 + 28 + 22 = 192$ $192 \div 8 = 24$		
$92 \div 4$ 23 $4 \overline{) 92}$	$520 - 187$ 333	
Work out $\frac{3}{20}$ as a percentage. $\frac{3}{20} \times 5 = \frac{15}{100}$		15%

June 12	5-a-day	Foundation
Work out 284×41 $\begin{array}{r} 200 \\ 40 \ 8000 \\ 1 \ 200 \end{array}$	$\begin{array}{r} 80 \ 4 \\ 3200 \ 160 \\ 80 \ 4 \end{array}$	$\begin{array}{r} 8000 \\ 3200 \\ 160 \\ 280 \\ 80 \\ + \ 1 \ 4 \\ \hline 11644 \end{array}$
Solve $5w + 6 = 51$ $5w = 45$ $w = 9$		
	On the grid, draw the graph $y = 2x + 1$ $\begin{array}{r} x \ 0 \ 1 \ 2 \ 3 \\ y \ 1 \ 3 \ 5 \ 7 \end{array}$	
Find the area of a circle with radius 8cm. $\pi \times r^2$ $\pi \times 8^2$		$64\pi \text{ cm}^2$ or 201.06 cm^2

June 12	5-a-day	Higher
<p>Calculate length y</p> $\frac{5}{\tan 60} = 2.89 \text{ cm}$		
 <p>Work out the area of the green shape</p>	$5(4x+3) - 3(x-4)$ $20x + 15 - 3x + 12$ $17x + 27$	
<p>Find the size of each interior angle of a regular 20-sided polygon.</p> <p>Exterior</p> $360 \div 20 = 18^\circ$		$180 - 18 = \underline{\underline{162^\circ}}$
<p>The length ratio between two similar solids is 2:3</p> <p>What is the volume ratio between the solids?</p>	$2^3 : 3^3$ $8 : 27$	
<p>A helicopter flies 100 miles East and 60 miles South and lands. The helicopter flies back on a direct course. What is its bearing?</p> $\tan x = \frac{60}{100} \quad x \approx 31^\circ$	